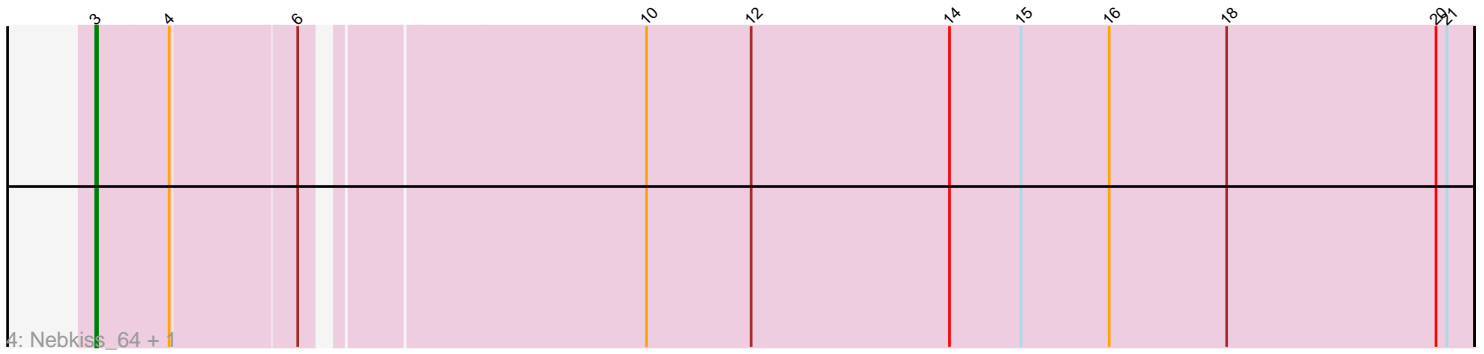
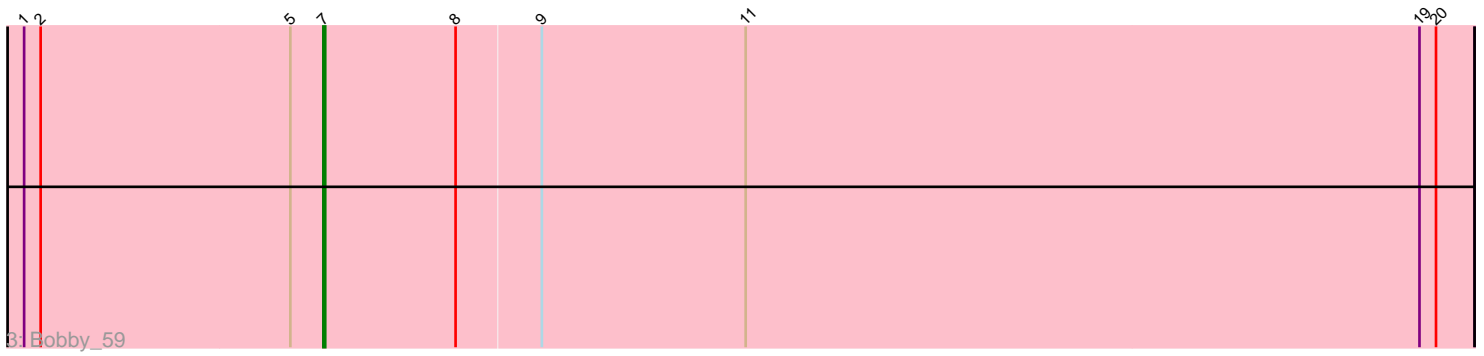
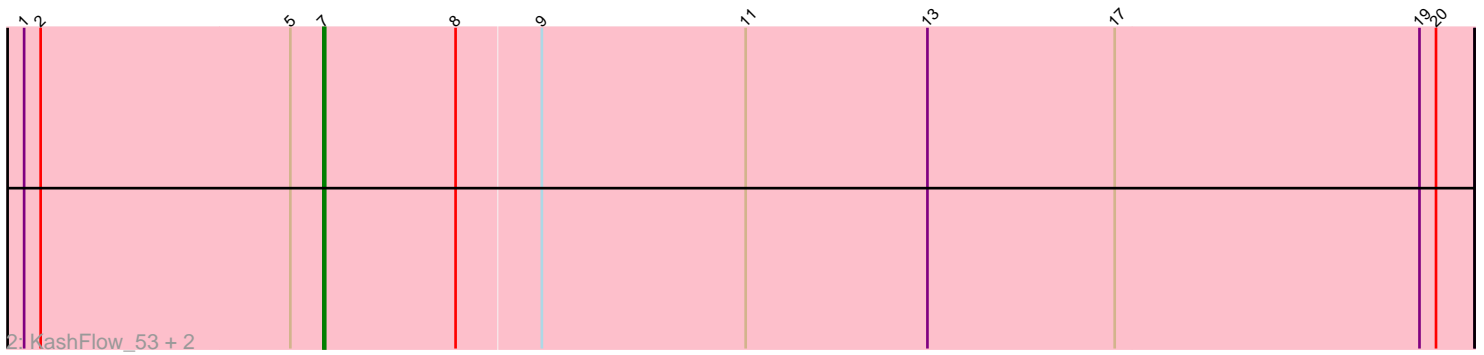
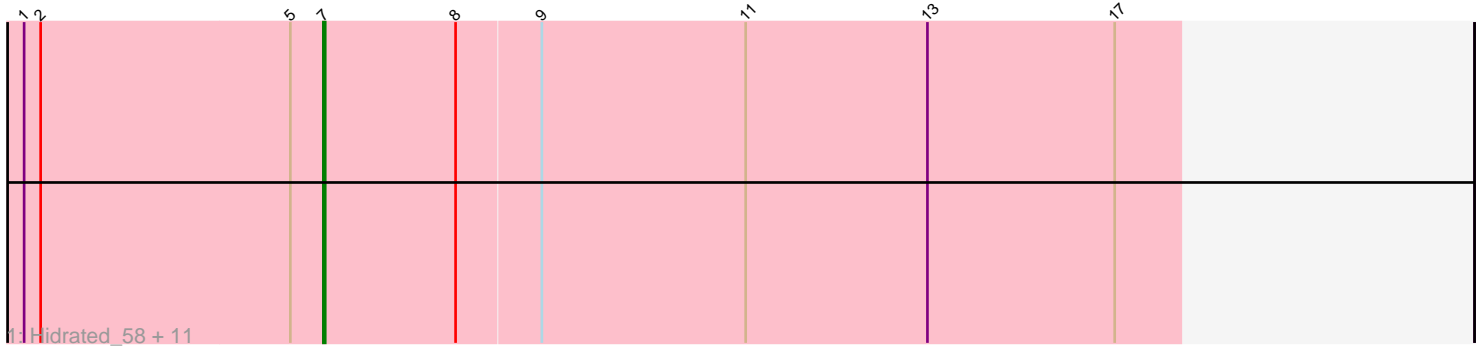


Pham 305354



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 305354 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305354 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Hidrated_58, BAKA_64, HokkenD_53, Ejimix_60, Bombitas_57, Redno2_57, NihilNomen_60, Hughesyang_59, EricMillard_60, Halley_61, Phoebus_59, Odette_58
- Track 2 : KashFlow_53, Hannaconda_56, DmpstrDiver_59
- Track 3 : Bobby_59
- Track 4 : Nebkiss_64, Gaia_63

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 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_64, Bobby_59, Bombitas_57, DmpstrDiver_59, Ejimix_60, EricMillard_60, Halley_61, Hannaconda_56, Hidrated_58, HokkenD_53, Hughesyang_59, KashFlow_53, NihilNomen_60, Odette_58, Phoebus_59, Redno2_57,

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

-

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

- Gaia_63, Nebkiss_64,

Summary by start number:

Start 3:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_63 (X), Nebkiss_64 (X),

Start 7:

- Found in 16 of 18 (88.9%) of genes in pham
- Manual Annotations of this start: 14 of 16

- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_64 (J), Bobby_59 (J), Bombitas_57 (J), DmpstrDiver_59 (J), Ejimix_60 (J), EricMillard_60 (J), Halley_61 (J), Hannaconda_56 (J), Hidrated_58 (J), HokkenD_53 (J), Hughesyang_59 (J), KashFlow_53 (J), NihilNomen_60 (J), Odette_58 (J), Phoebus_59 (J), Redno2_57 (J),

Summary by clusters:

There are 2 clusters represented in this pham: X, J,

Info for manual annotations of cluster J:

- Start number 7 was manually annotated 14 times for cluster J.

Info for manual annotations of cluster X:

- Start number 3 was manually annotated 2 times for cluster X.

Gene Information:

Gene: BAKA_64 Start: 47233, Stop: 46769, Start Num: 7

Candidate Starts for BAKA_64:

(1, 47395), (2, 47386), (5, 47251), (Start: 7 @47233 has 14 MA's), (8, 47161), (9, 47116), (11, 47005), (13, 46906), (17, 46804),

Gene: Bobby_59 Start: 46077, Stop: 45454, Start Num: 7

Candidate Starts for Bobby_59:

(1, 46239), (2, 46230), (5, 46095), (Start: 7 @46077 has 14 MA's), (8, 46005), (9, 45960), (11, 45849), (19, 45483), (20, 45474),

Gene: Bombitas_57 Start: 46727, Stop: 46263, Start Num: 7

Candidate Starts for Bombitas_57:

(1, 46889), (2, 46880), (5, 46745), (Start: 7 @46727 has 14 MA's), (8, 46655), (9, 46610), (11, 46499), (13, 46400), (17, 46298),

Gene: DmpstrDiver_59 Start: 46479, Stop: 45856, Start Num: 7

Candidate Starts for DmpstrDiver_59:

(1, 46641), (2, 46632), (5, 46497), (Start: 7 @46479 has 14 MA's), (8, 46407), (9, 46362), (11, 46251), (13, 46152), (17, 46050), (19, 45885), (20, 45876),

Gene: Ejimix_60 Start: 47917, Stop: 47453, Start Num: 7

Candidate Starts for Ejimix_60:

(1, 48079), (2, 48070), (5, 47935), (Start: 7 @47917 has 14 MA's), (8, 47845), (9, 47800), (11, 47689), (13, 47590), (17, 47488),

Gene: EricMillard_60 Start: 47418, Stop: 46954, Start Num: 7

Candidate Starts for EricMillard_60:

(1, 47580), (2, 47571), (5, 47436), (Start: 7 @47418 has 14 MA's), (8, 47346), (9, 47301), (11, 47190), (13, 47091), (17, 46989),

Gene: Gaia_63 Start: 42822, Stop: 42097, Start Num: 3

Candidate Starts for Gaia_63:

(Start: 3 @42822 has 2 MA's), (4, 42783), (6, 42717), (10, 42546), (12, 42489), (14, 42381), (15, 42342), (16, 42294), (18, 42231), (20, 42117), (21, 42111),

Gene: Halley_61 Start: 47131, Stop: 46667, Start Num: 7

Candidate Starts for Halley_61:

(1, 47293), (2, 47284), (5, 47149), (Start: 7 @47131 has 14 MA's), (8, 47059), (9, 47014), (11, 46903), (13, 46804), (17, 46702),

Gene: Hannaconda_56 Start: 41619, Stop: 40996, Start Num: 7

Candidate Starts for Hannaconda_56:

(1, 41781), (2, 41772), (5, 41637), (Start: 7 @41619 has 14 MA's), (8, 41547), (9, 41502), (11, 41391), (13, 41292), (17, 41190), (19, 41025), (20, 41016),

Gene: Hidrated_58 Start: 46816, Stop: 46352, Start Num: 7

Candidate Starts for Hidrated_58:

(1, 46978), (2, 46969), (5, 46834), (Start: 7 @46816 has 14 MA's), (8, 46744), (9, 46699), (11, 46588), (13, 46489), (17, 46387),

Gene: HokkenD_53 Start: 45400, Stop: 44936, Start Num: 7

Candidate Starts for HokkenD_53:

(1, 45562), (2, 45553), (5, 45418), (Start: 7 @45400 has 14 MA's), (8, 45328), (9, 45283), (11, 45172), (13, 45073), (17, 44971),

Gene: Hughesyang_59 Start: 47060, Stop: 46596, Start Num: 7

Candidate Starts for Hughesyang_59:

(1, 47222), (2, 47213), (5, 47078), (Start: 7 @47060 has 14 MA's), (8, 46988), (9, 46943), (11, 46832), (13, 46733), (17, 46631),

Gene: KashFlow_53 Start: 41240, Stop: 40617, Start Num: 7

Candidate Starts for KashFlow_53:

(1, 41402), (2, 41393), (5, 41258), (Start: 7 @41240 has 14 MA's), (8, 41168), (9, 41123), (11, 41012), (13, 40913), (17, 40811), (19, 40646), (20, 40637),

Gene: Nebkiss_64 Start: 41433, Stop: 40708, Start Num: 3

Candidate Starts for Nebkiss_64:

(Start: 3 @41433 has 2 MA's), (4, 41394), (6, 41328), (10, 41157), (12, 41100), (14, 40992), (15, 40953), (16, 40905), (18, 40842), (20, 40728), (21, 40722),

Gene: NihilNomen_60 Start: 47218, Stop: 46754, Start Num: 7

Candidate Starts for NihilNomen_60:

(1, 47380), (2, 47371), (5, 47236), (Start: 7 @47218 has 14 MA's), (8, 47146), (9, 47101), (11, 46990), (13, 46891), (17, 46789),

Gene: Odette_58 Start: 46261, Stop: 45797, Start Num: 7

Candidate Starts for Odette_58:

(1, 46423), (2, 46414), (5, 46279), (Start: 7 @46261 has 14 MA's), (8, 46189), (9, 46144), (11, 46033), (13, 45934), (17, 45832),

Gene: Phoebus_59 Start: 47419, Stop: 46955, Start Num: 7

Candidate Starts for Phoebus_59:

(1, 47581), (2, 47572), (5, 47437), (Start: 7 @47419 has 14 MA's), (8, 47347), (9, 47302), (11, 47191), (13, 47092), (17, 46990),

Gene: Redno2_57 Start: 44014, Stop: 43550, Start Num: 7

Candidate Starts for Redno2_57:

(1, 44176), (2, 44167), (5, 44032), (Start: 7 @44014 has 14 MA's), (8, 43942), (9, 43897), (11, 43786),
(13, 43687), (17, 43585),