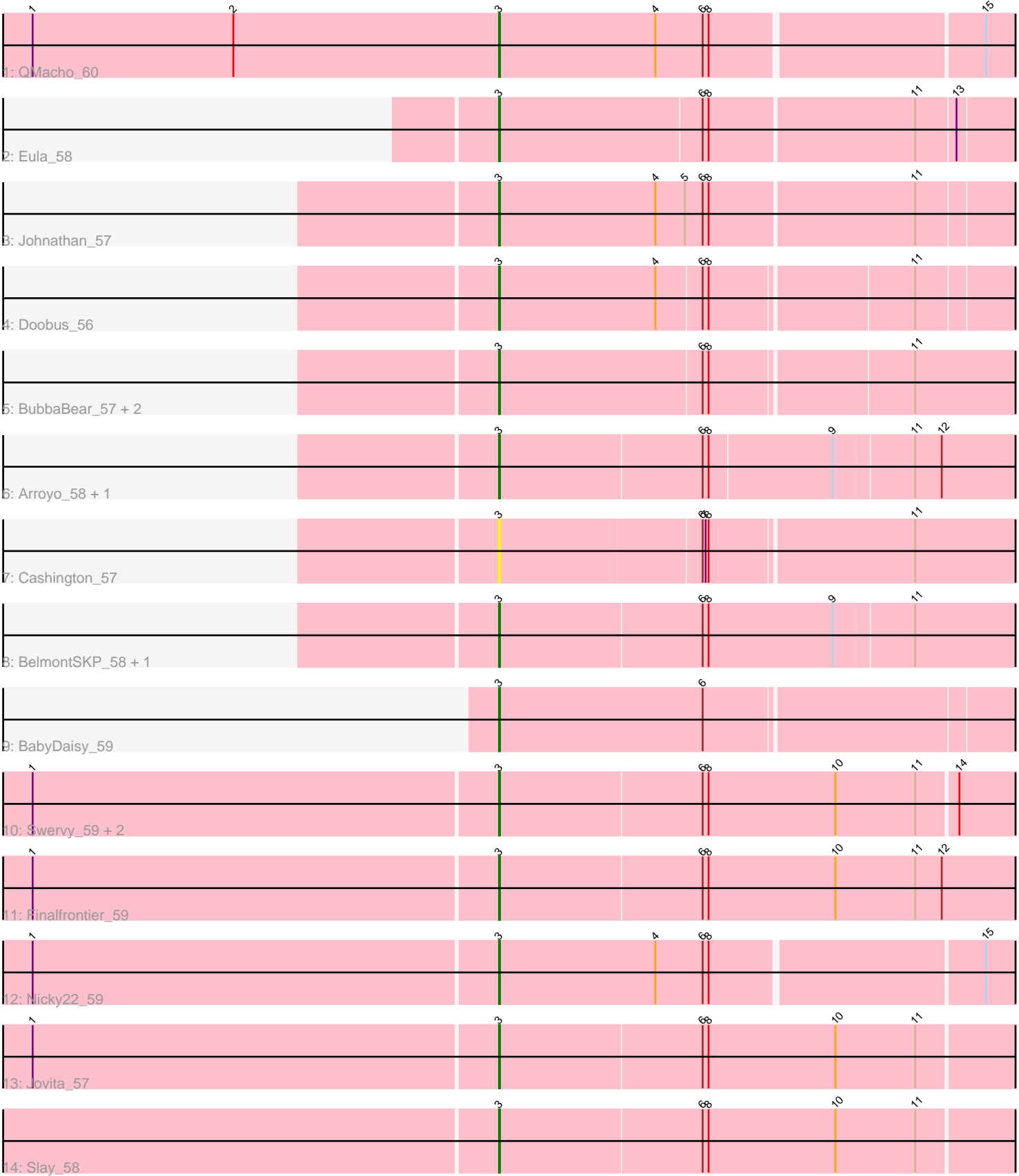


Pham 86846



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 86846 Report

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

Pham number 86846 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : QMacho_60
- Track 2 : Eula_58
- Track 3 : Johnathan_57
- Track 4 : Doobus_56
- Track 5 : BubbaBear_57, SansAfet_59, Albedo_59
- Track 6 : Arroyo_58, Lahqtemish_57
- Track 7 : Cashington_57
- Track 8 : BelmontSKP_58, AnnaLie_58
- Track 9 : BabyDaisy_59
- Track 10 : Swervy_59, SarBear_58, TukTuk_59
- Track 11 : Finalfrontier_59
- Track 12 : Nicky22_59
- Track 13 : Jovita_57
- Track 14 : Slay_58

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

The start number called the most often in the published annotations is 3, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Albedo_59, AnnaLie_58, Arroyo_58, BabyDaisy_59, BelmontSKP_58, BubbaBear_57, Cashington_57, Doobus_56, Eula_58, Finalfrontier_59, Johnathan_57, Jovita_57, Lahqtemish_57, Nicky22_59, QMacho_60, SansAfet_59, SarBear_58, Slay_58, Swervy_59, TukTuk_59,

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 3:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albedo_59 (EB), AnnaLie_58 (EB), Arroyo_58 (EB), BabyDaisy_59 (EB), BelmontSKP_58 (EB), BubbaBear_57 (EB), Cashington_57 (EB), Doobus_56 (EB), Eula_58 (EB), Finalfrontier_59 (EB), Johnathan_57 (EB), Jovita_57 (EB), Lahqtemish_57 (EB), Nicky22_59 (EB), QMacho_60 (EB), SansAfet_59 (EB), SarBear_58 (EB), Slay_58 (EB), Swervy_59 (EB), TukTuk_59 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 3 was manually annotated 19 times for cluster EB.

Gene Information:

Gene: Albedo_59 Start: 37498, Stop: 38022, Start Num: 3

Candidate Starts for Albedo_59:

(Start: 3 @37498 has 19 MA's), (6, 37702), (8, 37708), (11, 37912),

Gene: AnnaLie_58 Start: 37427, Stop: 37957, Start Num: 3

Candidate Starts for AnnaLie_58:

(Start: 3 @37427 has 19 MA's), (6, 37631), (8, 37637), (9, 37763), (11, 37841),

Gene: Arroyo_58 Start: 37538, Stop: 38065, Start Num: 3

Candidate Starts for Arroyo_58:

(Start: 3 @37538 has 19 MA's), (6, 37742), (8, 37748), (9, 37871), (11, 37949), (12, 37976),

Gene: BabyDaisy_59 Start: 37705, Stop: 38229, Start Num: 3

Candidate Starts for BabyDaisy_59:

(Start: 3 @37705 has 19 MA's), (6, 37912),

Gene: BelmontSKP_58 Start: 37427, Stop: 37957, Start Num: 3

Candidate Starts for BelmontSKP_58:

(Start: 3 @37427 has 19 MA's), (6, 37631), (8, 37637), (9, 37763), (11, 37841),

Gene: BubbaBear_57 Start: 37179, Stop: 37703, Start Num: 3

Candidate Starts for BubbaBear_57:

(Start: 3 @37179 has 19 MA's), (6, 37383), (8, 37389), (11, 37587),

Gene: Cashington_57 Start: 36631, Stop: 37155, Start Num: 3

Candidate Starts for Cashington_57:

(Start: 3 @36631 has 19 MA's), (6, 36832), (7, 36835), (8, 36838), (11, 37039),

Gene: Doobus_56 Start: 36710, Stop: 37228, Start Num: 3

Candidate Starts for Doobus_56:

(Start: 3 @36710 has 19 MA's), (4, 36869), (6, 36914), (8, 36920), (11, 37118),

Gene: Eula_58 Start: 36881, Stop: 37405, Start Num: 3

Candidate Starts for Eula_58:

(Start: 3 @36881 has 19 MA's), (6, 37085), (8, 37091), (11, 37295), (13, 37334),

Gene: Finalfrontier_59 Start: 37994, Stop: 38530, Start Num: 3

Candidate Starts for Finalfrontier_59:

(1, 37529), (Start: 3 @37994 has 19 MA's), (6, 38198), (8, 38204), (10, 38333), (11, 38414), (12, 38441),

Gene: Johnathan_57 Start: 36548, Stop: 37075, Start Num: 3

Candidate Starts for Johnathan_57:

(Start: 3 @36548 has 19 MA's), (4, 36707), (5, 36737), (6, 36755), (8, 36761), (11, 36965),

Gene: Jovita_57 Start: 36750, Stop: 37280, Start Num: 3

Candidate Starts for Jovita_57:

(1, 36285), (Start: 3 @36750 has 19 MA's), (6, 36954), (8, 36960), (10, 37089), (11, 37170),

Gene: Lahqtemish_57 Start: 37461, Stop: 37988, Start Num: 3

Candidate Starts for Lahqtemish_57:

(Start: 3 @37461 has 19 MA's), (6, 37665), (8, 37671), (9, 37794), (11, 37872), (12, 37899),

Gene: Nicky22_59 Start: 37650, Stop: 38174, Start Num: 3

Candidate Starts for Nicky22_59:

(1, 37185), (Start: 3 @37650 has 19 MA's), (4, 37809), (6, 37857), (8, 37863), (15, 38130),

Gene: QMacho_60 Start: 37544, Stop: 38068, Start Num: 3

Candidate Starts for QMacho_60:

(1, 37073), (2, 37277), (Start: 3 @37544 has 19 MA's), (4, 37703), (6, 37751), (8, 37757), (15, 38024),

Gene: SansAfet_59 Start: 36956, Stop: 37477, Start Num: 3

Candidate Starts for SansAfet_59:

(Start: 3 @36956 has 19 MA's), (6, 37160), (8, 37166), (11, 37361),

Gene: SarBear_58 Start: 36842, Stop: 37372, Start Num: 3

Candidate Starts for SarBear_58:

(1, 36377), (Start: 3 @36842 has 19 MA's), (6, 37046), (8, 37052), (10, 37181), (11, 37262), (14, 37301),

Gene: Slay_58 Start: 37434, Stop: 37964, Start Num: 3

Candidate Starts for Slay_58:

(Start: 3 @37434 has 19 MA's), (6, 37638), (8, 37644), (10, 37773), (11, 37854),

Gene: Swervy_59 Start: 37114, Stop: 37644, Start Num: 3

Candidate Starts for Swervy_59:

(1, 36649), (Start: 3 @37114 has 19 MA's), (6, 37318), (8, 37324), (10, 37453), (11, 37534), (14, 37573),

Gene: TukTuk_59 Start: 37179, Stop: 37709, Start Num: 3

Candidate Starts for TukTuk_59:

(1, 36714), (Start: 3 @37179 has 19 MA's), (6, 37383), (8, 37389), (10, 37518), (11, 37599), (14, 37638),