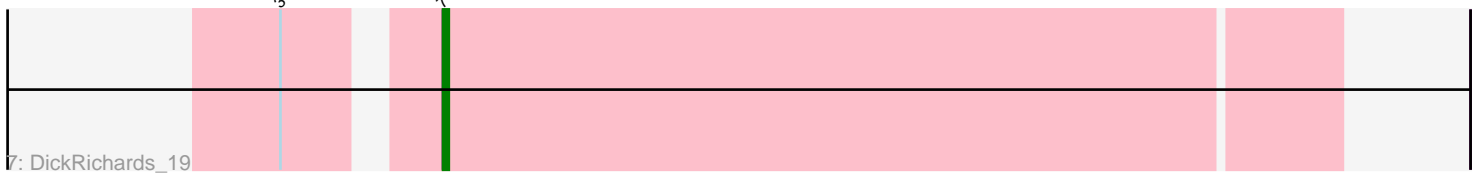
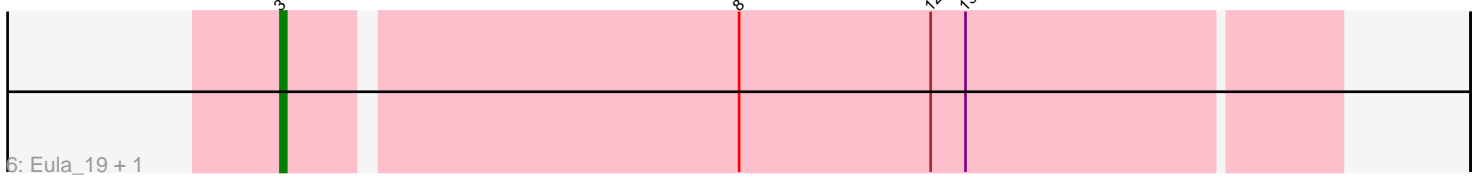
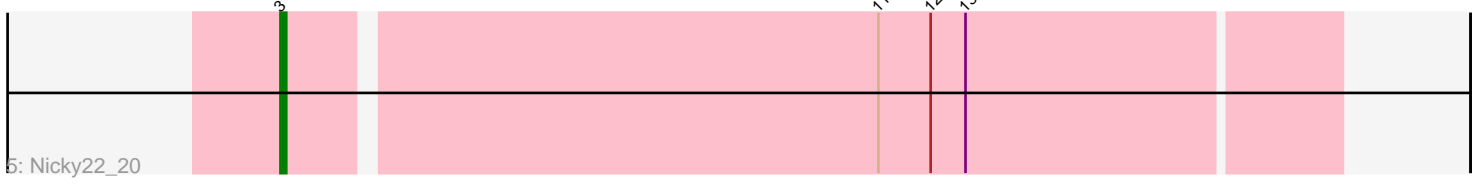
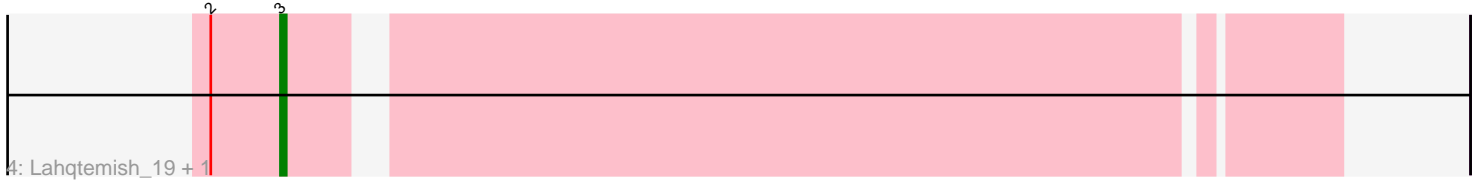
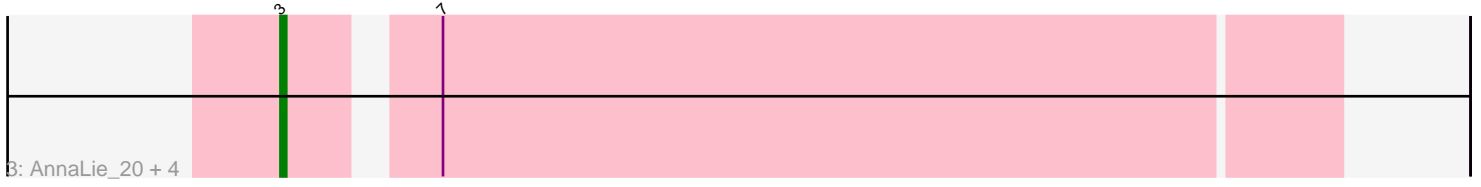
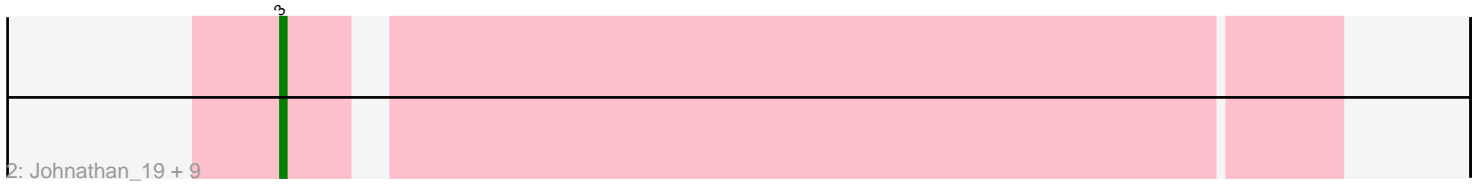
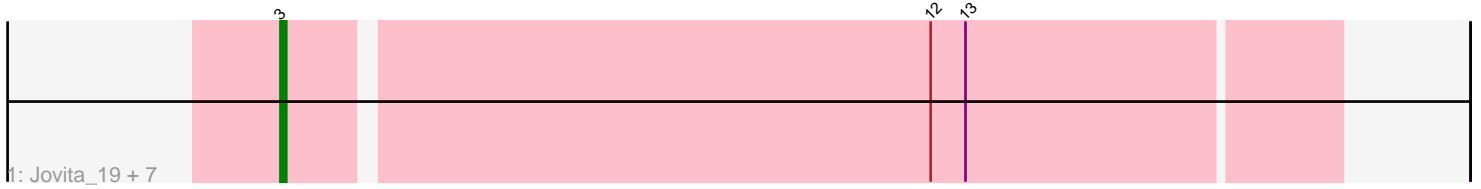


Pham 191452



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 191452 Report

This analysis was run 11/02/24 on database version 579.

Pham number 191452 has 30 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Jovita_19, Swervy_19, SarBear_19, Slay_19, BubbaBear_19, TukTuk_19, Phisb_19, Albedo_19
- Track 2 : Johnathan_19, Cashington_19, Finalfrontier_20, BabyDaisy_20, LimaBean_19, Abigail_19, Didgeridoo_20, IndyLu_19, Avocadoman_19, Kate33_19
- Track 3 : AnnaLie_20, CroZenni_19, BelmontSKP_20, SansAfet_19, Arroyo_20
- Track 4 : Lahqtemish_19, Burritobowl_19
- Track 5 : Nicky22_20
- Track 6 : Eula_19, QMacho_20
- Track 7 : DickRichards_19
- Track 8 : LuckyBarnes_28

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 26 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abigail_19, Albedo_19, AnnaLie_20, Arroyo_20, Avocadoman_19, BabyDaisy_20, BelmontSKP_20, BubbaBear_19, Burritobowl_19, Cashington_19, CroZenni_19, Didgeridoo_20, Eula_19, Finalfrontier_20, IndyLu_19, Johnathan_19, Jovita_19, Kate33_19, Lahqtemish_19, LimaBean_19, Nicky22_20, Phisb_19, QMacho_20, SansAfet_19, SarBear_19, Slay_19, Swervy_19, TukTuk_19,

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

- DickRichards_19,

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

- LuckyBarnes_28,

Summary by start number:

Start 3:

- Found in 29 of 30 (96.7%) of genes in pham
- Manual Annotations of this start: 26 of 28

- Called 96.6% of time when present
- Phage (with cluster) where this start called: Abigail_19 (EB), Albedo_19 (EB), AnnaLie_20 (EB), Arroyo_20 (EB), Avocadoman_19 (EB), BabyDaisy_20 (EB), BelmontSKP_20 (EB), BubbaBear_19 (EB), Burritobowl_19 (EB), Cashington_19 (EB), CroZenni_19 (EB), Didgeridoo_20 (EB), Eula_19 (EB), Finalfrontier_20 (EB), IndyLu_19 (EB), Johnathan_19 (EB), Jovita_19 (EB), Kate33_19 (EB), Lahqtemish_19 (EB), LimaBean_19 (EB), Nicky22_20 (EB), Phisb_19 (EB), QMacho_20 (EB), SansAfet_19 (EB), SarBear_19 (EB), Slay_19 (EB), Swervy_19 (EB), TukTuk_19 (EB),

Start 5:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LuckyBarnes_28 (singleton),

Start 7:

- Found in 6 of 30 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 16.7% of time when present
- Phage (with cluster) where this start called: DickRichards_19 (EB),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, EB,

Info for manual annotations of cluster EB:

- Start number 3 was manually annotated 26 times for cluster EB.
- Start number 7 was manually annotated 1 time for cluster EB.

Gene Information:

Gene: Abigail_19 Start: 16083, Stop: 16253, Start Num: 3

Candidate Starts for Abigail_19:

(Start: 3 @16083 has 26 MA's),

Gene: Albedo_19 Start: 15948, Stop: 16124, Start Num: 3

Candidate Starts for Albedo_19:

(Start: 3 @15948 has 26 MA's), (12, 16056), (13, 16062),

Gene: AnnaLie_20 Start: 16267, Stop: 16440, Start Num: 3

Candidate Starts for AnnaLie_20:

(Start: 3 @16267 has 26 MA's), (Start: 7 @16288 has 1 MA's),

Gene: Arroyo_20 Start: 16468, Stop: 16641, Start Num: 3

Candidate Starts for Arroyo_20:

(Start: 3 @16468 has 26 MA's), (Start: 7 @16489 has 1 MA's),

Gene: Avocadoman_19 Start: 16026, Stop: 16196, Start Num: 3

Candidate Starts for Avocadoman_19:

(Start: 3 @16026 has 26 MA's),

Gene: BabyDaisy_20 Start: 16083, Stop: 16253, Start Num: 3
Candidate Starts for BabyDaisy_20:
(Start: 3 @16083 has 26 MA's),

Gene: BelmontSKP_20 Start: 16267, Stop: 16440, Start Num: 3
Candidate Starts for BelmontSKP_20:
(Start: 3 @16267 has 26 MA's), (Start: 7 @16288 has 1 MA's),

Gene: BubbaBear_19 Start: 15948, Stop: 16124, Start Num: 3
Candidate Starts for BubbaBear_19:
(Start: 3 @15948 has 26 MA's), (12, 16056), (13, 16062),

Gene: Burritobowl_19 Start: 16026, Stop: 16196, Start Num: 3
Candidate Starts for Burritobowl_19:
(2, 16014), (Start: 3 @16026 has 26 MA's),

Gene: Cashington_19 Start: 15875, Stop: 16045, Start Num: 3
Candidate Starts for Cashington_19:
(Start: 3 @15875 has 26 MA's),

Gene: CroZenni_19 Start: 15858, Stop: 16031, Start Num: 3
Candidate Starts for CroZenni_19:
(Start: 3 @15858 has 26 MA's), (Start: 7 @15879 has 1 MA's),

Gene: DickRichards_19 Start: 16374, Stop: 16526, Start Num: 7
Candidate Starts for DickRichards_19:
(Start: 3 @16353 has 26 MA's), (Start: 7 @16374 has 1 MA's),

Gene: Didgeridoo_20 Start: 16085, Stop: 16255, Start Num: 3
Candidate Starts for Didgeridoo_20:
(Start: 3 @16085 has 26 MA's),

Gene: Eula_19 Start: 15936, Stop: 16112, Start Num: 3
Candidate Starts for Eula_19:
(Start: 3 @15936 has 26 MA's), (8, 16011), (12, 16044), (13, 16050),

Gene: Finalfrontier_20 Start: 16452, Stop: 16622, Start Num: 3
Candidate Starts for Finalfrontier_20:
(Start: 3 @16452 has 26 MA's),

Gene: IndyLu_19 Start: 15907, Stop: 16077, Start Num: 3
Candidate Starts for IndyLu_19:
(Start: 3 @15907 has 26 MA's),

Gene: Johnathan_19 Start: 15962, Stop: 16135, Start Num: 3
Candidate Starts for Johnathan_19:
(Start: 3 @15962 has 26 MA's),

Gene: Jovita_19 Start: 16040, Stop: 16216, Start Num: 3
Candidate Starts for Jovita_19:
(Start: 3 @16040 has 26 MA's), (12, 16148), (13, 16154),

Gene: Kate33_19 Start: 15909, Stop: 16079, Start Num: 3
Candidate Starts for Kate33_19:
(Start: 3 @15909 has 26 MA's),

Gene: Lahqtemish_19 Start: 15955, Stop: 16125, Start Num: 3
Candidate Starts for Lahqtemish_19:
(2, 15943), (Start: 3 @15955 has 26 MA's),

Gene: LimaBean_19 Start: 15961, Stop: 16131, Start Num: 3
Candidate Starts for LimaBean_19:
(Start: 3 @15961 has 26 MA's),

Gene: LuckyBarnes_28 Start: 26946, Stop: 27143, Start Num: 5
Candidate Starts for LuckyBarnes_28:
(1, 26922), (4, 26943), (Start: 5 @26946 has 1 MA's), (6, 26961), (9, 27021), (10, 27024), (14, 27090),
(15, 27123),

Gene: Nicky22_20 Start: 16383, Stop: 16559, Start Num: 3
Candidate Starts for Nicky22_20:
(Start: 3 @16383 has 26 MA's), (11, 16482), (12, 16491), (13, 16497),

Gene: Phisb_19 Start: 15949, Stop: 16125, Start Num: 3
Candidate Starts for Phisb_19:
(Start: 3 @15949 has 26 MA's), (12, 16057), (13, 16063),

Gene: QMacho_20 Start: 16419, Stop: 16595, Start Num: 3
Candidate Starts for QMacho_20:
(Start: 3 @16419 has 26 MA's), (8, 16494), (12, 16527), (13, 16533),

Gene: SansAfet_19 Start: 15869, Stop: 16042, Start Num: 3
Candidate Starts for SansAfet_19:
(Start: 3 @15869 has 26 MA's), (Start: 7 @15890 has 1 MA's),

Gene: SarBear_19 Start: 15917, Stop: 16093, Start Num: 3
Candidate Starts for SarBear_19:
(Start: 3 @15917 has 26 MA's), (12, 16025), (13, 16031),

Gene: Slay_19 Start: 16459, Stop: 16635, Start Num: 3
Candidate Starts for Slay_19:
(Start: 3 @16459 has 26 MA's), (12, 16567), (13, 16573),

Gene: Swervy_19 Start: 15917, Stop: 16093, Start Num: 3
Candidate Starts for Swervy_19:
(Start: 3 @15917 has 26 MA's), (12, 16025), (13, 16031),

Gene: TukTuk_19 Start: 15975, Stop: 16151, Start Num: 3
Candidate Starts for TukTuk_19:
(Start: 3 @15975 has 26 MA's), (12, 16083), (13, 16089),