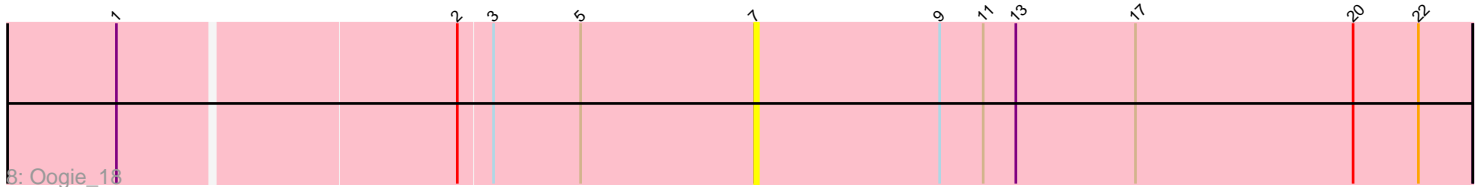
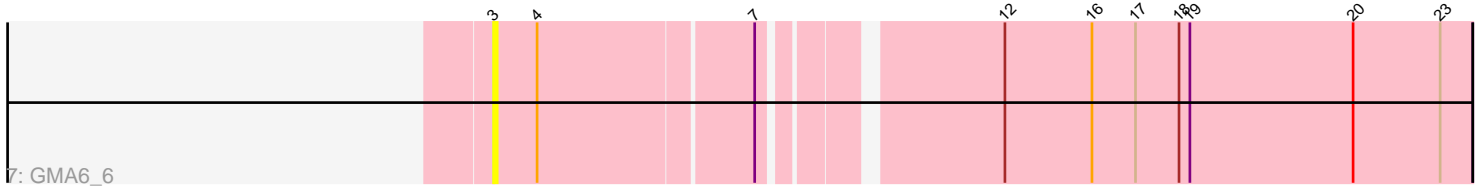
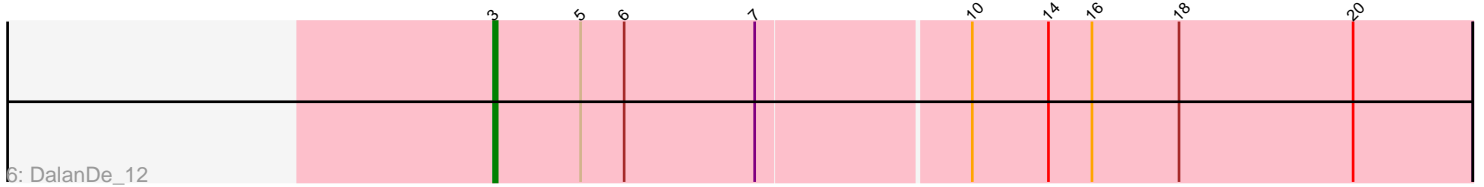
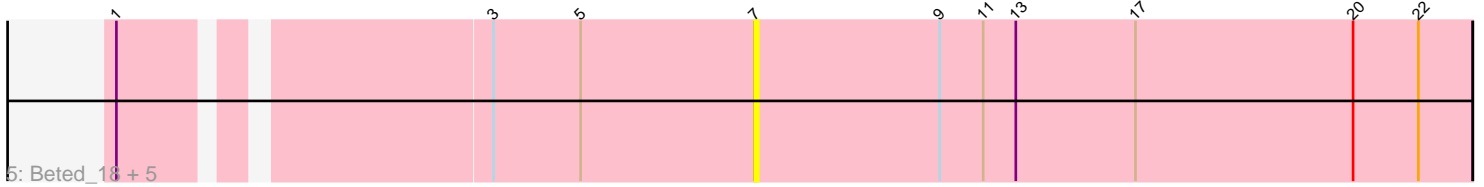
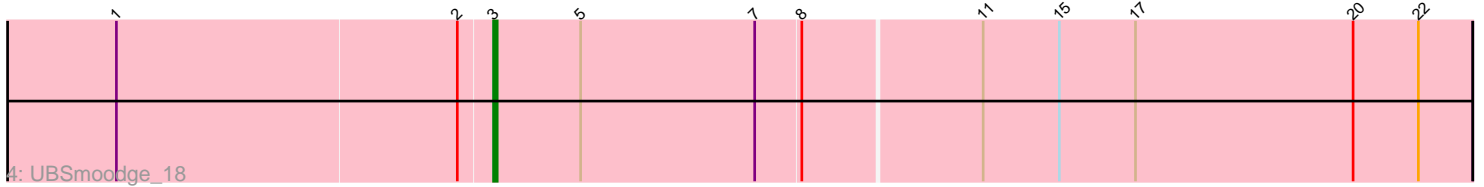
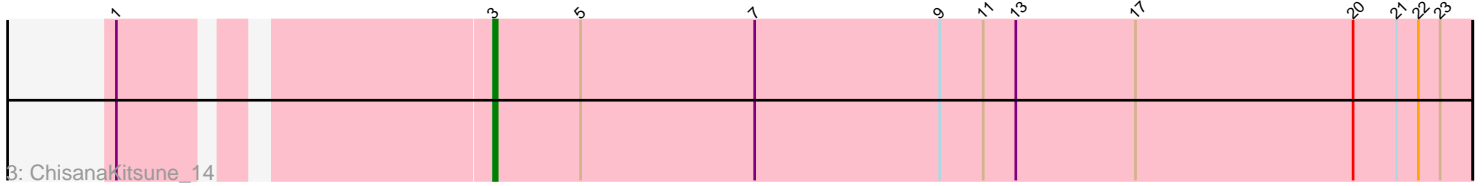
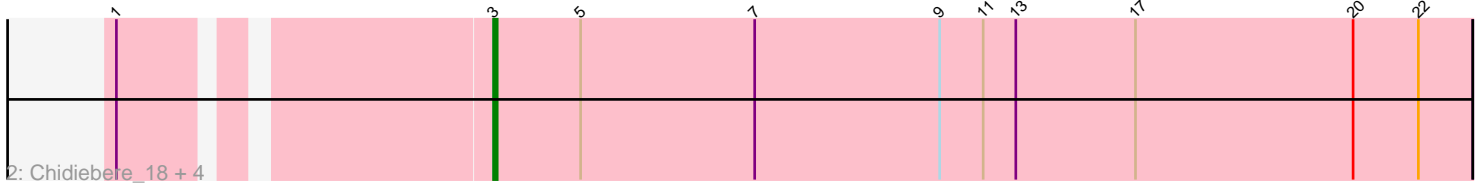
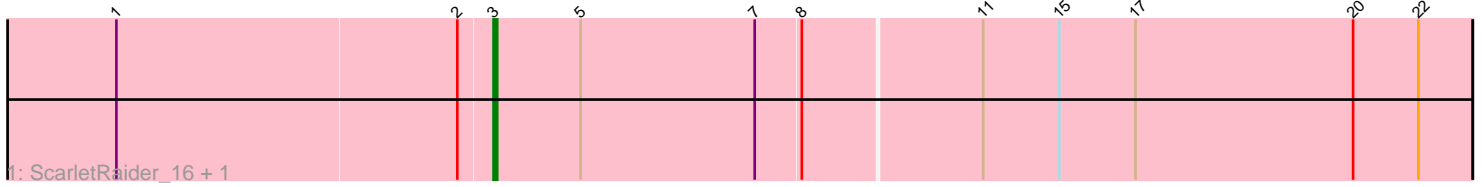


Pham 190146



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 190146 Report

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

Pham number 190146 has 18 members, 8 are drafts.

Phages represented in each track:

- Track 1 : ScarletRaider_16, FlyingTortilla_16
- Track 2 : Chidiebere_18, Kabocha_19, Hanem_18, Gray_18, Schomber_17
- Track 3 : ChisanaKitsune_14
- Track 4 : UBSmoodge_18
- Track 5 : Beted_18, Twin_18, Alok_18, Lenoshki_18, MintFritos_18, Pakusa_18
- Track 6 : DalanDe_12
- Track 7 : GMA6_6
- Track 8 : Oogie_18

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chidiebere_18, ChisanaKitsune_14, DalanDe_12, FlyingTortilla_16, GMA6_6, Gray_18, Hanem_18, Kabocha_19, ScarletRaider_16, Schomber_17, UBSmoodge_18,

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

- Alok_18, Beted_18, Lenoshki_18, MintFritos_18, Oogie_18, Pakusa_18, Twin_18,

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

-

Summary by start number:

Start 3:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 61.1% of time when present
- Phage (with cluster) where this start called: Chidiebere_18 (DQ), ChisanaKitsune_14 (DQ), DalanDe_12 (DQ), FlyingTortilla_16 (DQ), GMA6_6 (DQ), Gray_18 (DQ), Hanem_18 (DQ), Kabocha_19 (DQ), ScarletRaider_16 (DQ),

Schomber_17 (DQ), UBSmoodge_18 (DQ),

Start 7:

- Found in 18 of 18 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 38.9% of time when present
- Phage (with cluster) where this start called: Aloki_18 (DQ), Beted_18 (DQ), Lenoshki_18 (DQ), MintFritos_18 (DQ), Oogie_18 (DQ), Pakusa_18 (DQ), Twin_18 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 3 was manually annotated 10 times for cluster DQ.

Gene Information:

Gene: Aloki_18 Start: 7885, Stop: 8082, Start Num: 7

Candidate Starts for Aloki_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: Beted_18 Start: 7511, Stop: 7708, Start Num: 7

Candidate Starts for Beted_18:

(1, 7349), (Start: 3 @7439 has 10 MA's), (5, 7463), (7, 7511), (9, 7562), (11, 7574), (13, 7583), (17, 7616), (20, 7676), (22, 7694),

Gene: Chidiebere_18 Start: 7813, Stop: 8082, Start Num: 3

Candidate Starts for Chidiebere_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: ChisanaKitsune_14 Start: 6514, Stop: 6783, Start Num: 3

Candidate Starts for ChisanaKitsune_14:

(1, 6424), (Start: 3 @6514 has 10 MA's), (5, 6538), (7, 6586), (9, 6637), (11, 6649), (13, 6658), (17, 6691), (20, 6751), (21, 6763), (22, 6769), (23, 6775),

Gene: DalanDe_12 Start: 6925, Stop: 7191, Start Num: 3

Candidate Starts for DalanDe_12:

(Start: 3 @6925 has 10 MA's), (5, 6949), (6, 6961), (7, 6997), (10, 7054), (14, 7075), (16, 7087), (18, 7111), (20, 7159),

Gene: FlyingTortilla_16 Start: 8715, Stop: 8981, Start Num: 3

Candidate Starts for FlyingTortilla_16:

(1, 8613), (2, 8706), (Start: 3 @8715 has 10 MA's), (5, 8739), (7, 8787), (8, 8799), (11, 8847), (15, 8868), (17, 8889), (20, 8949), (22, 8967),

Gene: GMA6_6 Start: 3457, Stop: 3711, Start Num: 3

Candidate Starts for GMA6_6:

(Start: 3 @3457 has 10 MA's), (4, 3469), (7, 3526), (12, 3583), (16, 3607), (17, 3619), (18, 3631), (19, 3634), (20, 3679), (23, 3703),

Gene: Gray_18 Start: 7813, Stop: 8082, Start Num: 3

Candidate Starts for Gray_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: Hanem_18 Start: 7813, Stop: 8082, Start Num: 3

Candidate Starts for Hanem_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: Kabocha_19 Start: 8626, Stop: 8895, Start Num: 3

Candidate Starts for Kabocha_19:

(1, 8536), (Start: 3 @8626 has 10 MA's), (5, 8650), (7, 8698), (9, 8749), (11, 8761), (13, 8770), (17, 8803), (20, 8863), (22, 8881),

Gene: Lenoshki_18 Start: 7511, Stop: 7708, Start Num: 7

Candidate Starts for Lenoshki_18:

(1, 7349), (Start: 3 @7439 has 10 MA's), (5, 7463), (7, 7511), (9, 7562), (11, 7574), (13, 7583), (17, 7616), (20, 7676), (22, 7694),

Gene: MintFritos_18 Start: 7885, Stop: 8082, Start Num: 7

Candidate Starts for MintFritos_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: Oogie_18 Start: 7537, Stop: 7734, Start Num: 7

Candidate Starts for Oogie_18:

(1, 7366), (2, 7456), (Start: 3 @7465 has 10 MA's), (5, 7489), (7, 7537), (9, 7588), (11, 7600), (13, 7609), (17, 7642), (20, 7702), (22, 7720),

Gene: Pakusa_18 Start: 7627, Stop: 7824, Start Num: 7

Candidate Starts for Pakusa_18:

(1, 7465), (Start: 3 @7555 has 10 MA's), (5, 7579), (7, 7627), (9, 7678), (11, 7690), (13, 7699), (17, 7732), (20, 7792), (22, 7810),

Gene: ScarletRaider_16 Start: 8742, Stop: 9008, Start Num: 3

Candidate Starts for ScarletRaider_16:

(1, 8640), (2, 8733), (Start: 3 @8742 has 10 MA's), (5, 8766), (7, 8814), (8, 8826), (11, 8874), (15, 8895), (17, 8916), (20, 8976), (22, 8994),

Gene: Schomber_17 Start: 7542, Stop: 7811, Start Num: 3

Candidate Starts for Schomber_17:

(1, 7452), (Start: 3 @7542 has 10 MA's), (5, 7566), (7, 7614), (9, 7665), (11, 7677), (13, 7686), (17, 7719), (20, 7779), (22, 7797),

Gene: Twin_18 Start: 7885, Stop: 8082, Start Num: 7

Candidate Starts for Twin_18:

(1, 7723), (Start: 3 @7813 has 10 MA's), (5, 7837), (7, 7885), (9, 7936), (11, 7948), (13, 7957), (17, 7990), (20, 8050), (22, 8068),

Gene: UBSmoodge_18 Start: 9211, Stop: 9477, Start Num: 3

Candidate Starts for UBSmoodge_18:

(1, 9109), (2, 9202), (Start: 3 @9211 has 10 MA's), (5, 9235), (7, 9283), (8, 9295), (11, 9343), (15, 9364), (17, 9385), (20, 9445), (22, 9463),