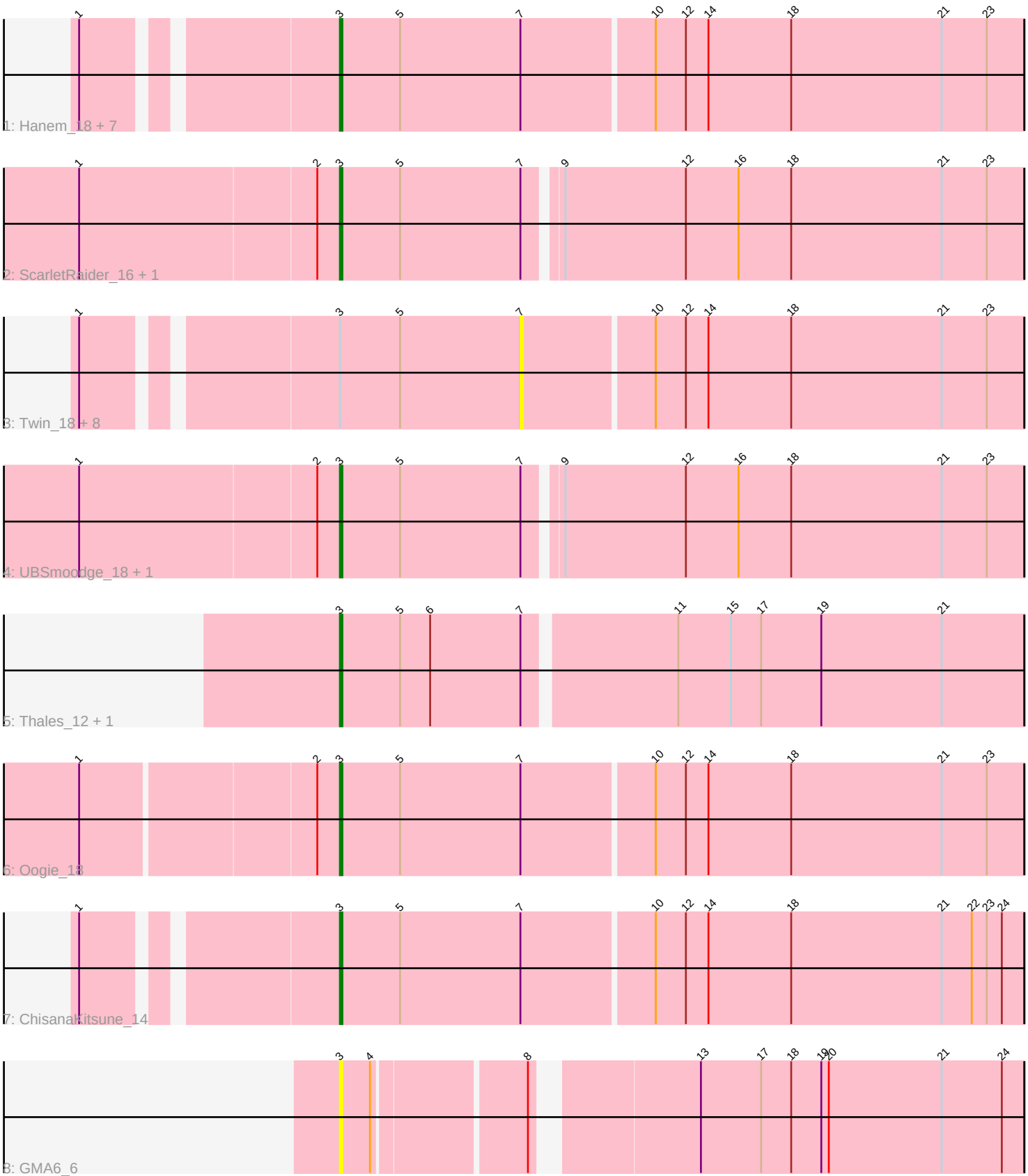
Pham 347954


1: Hanem_18 + 7
2: ScarletRaider_16 + 1
3: Twin_18 + 8
4: UBSmoodge_18 + 1
5: Thales_12 + 1
6: Oogie_18
7: ChisanaKitsune_14
8: GMA6_6

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 347954 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347954 has 26 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Hanem_18, Kabocha_19, Mikronejon_18, Aloki_18, Farrylious_17, Chidiebere_18, Gray_18, Schomber_17
• Track 2 : ScarletRaider_16, FlyingTortilla_16
• Track 3 : Twin_18, Pakusa_18, Lenoshki_18, MintFritos_18, Amoonguss_18, Toneprano_18, Beted_18, Argena_18, EmoNemo_18
• Track 4 : UBSmoodge_18, FruityLoops_15
• Track 5 : Thales_12, DalanDe_12
• Track 6 : Oogie_18
• Track 7 : ChisanaKitsune_14
• Track 8 : GMA6_6

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_18, Chidiebere_18, ChisanaKitsune_14, DalanDe_12, Farrylious_17, FlyingTortilla_16, FruityLoops_15, GMA6_6, Gray_18, Hanem_18, Kabocha_19, Mikronejon_18, Oogie_18, ScarletRaider_16, Schomber_17, Thales_12, UBSmoodge_18,

Genes that have the "Most Annotated" start but do not call it:
• Amoonguss_18, Argena_18, Beted_18, EmoNemo_18, Lenoshki_18, MintFritos_18, Pakusa_18, Toneprano_18, Twin_18,

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

Summary by start number:

Start 3:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15

• Called 65.4% of time when present
• Phage (with cluster) where this start called: Aloki_18 (DQ), Chidiebere_18 (DQ), ChisanaKitsune_14 (DQ), DalanDe_12 (DQ), Farrylious_17 (DQ), FlyingTortilla_16 (DQ), FruityLoops_15 (DQ), GMA6_6 (DQ), Gray_18 (DQ), Hanem_18 (DQ), Kabocha_19 (DQ), Mikronejon_18 (DQ), Oogie_18 (DQ), ScarletRaider_16 (DQ), Schomber_17 (DQ), Thales_12 (DQ), UBSmoodge_18 (DQ),

Start 7:
• Found in 25 of 26 (96.2%) of genes in pham
• No Manual Annotations of this start.
• Called 36.0% of time when present
• Phage (with cluster) where this start called: Amoonguss_18 (DQ), Argena_18 (DQ), Beted_18 (DQ), EmoNemo_18 (DQ), Lenoshki_18 (DQ), MintFritos_18 (DQ), Pakusa_18 (DQ), Toneprano_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 15 times for cluster DQ.

Gene Information:

Gene: Aloki_18 Start: 7813, Stop: 8082, Start Num: 3
Candidate Starts for Aloki_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Amoonguss_18 Start: 7888, Stop: 8085, Start Num: 7
Candidate Starts for Amoonguss_18:
(1, 7726), (Start: 3 @7816 has 15 MA's), (5, 7840), (7, 7888), (10, 7939), (12, 7951), (14, 7960), (18, 7993), (21, 8053), (23, 8071),

Gene: Argena_18 Start: 7885, Stop: 8082, Start Num: 7
Candidate Starts for Argena_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Beted_18 Start: 7511, Stop: 7708, Start Num: 7
Candidate Starts for Beted_18:
(1, 7349), (Start: 3 @7439 has 15 MA's), (5, 7463), (7, 7511), (10, 7562), (12, 7574), (14, 7583), (18, 7616), (21, 7676), (23, 7694),

Gene: Chidiebere_18 Start: 7813, Stop: 8082, Start Num: 3
Candidate Starts for Chidiebere_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: ChisanaKitsune_14 Start: 6514, Stop: 6783, Start Num: 3
Candidate Starts for ChisanaKitsune_14:

(1, 6424), (Start: 3 @6514 has 15 MA's), (5, 6538), (7, 6586), (10, 6637), (12, 6649), (14, 6658), (18, 6691), (21, 6751), (22, 6763), (23, 6769), (24, 6775),

Gene: DalanDe_12 Start: 6925, Stop: 7191, Start Num: 3
Candidate Starts for DalanDe_12:
(Start: 3 @6925 has 15 MA's), (5, 6949), (6, 6961), (7, 6997), (11, 7054), (15, 7075), (17, 7087), (19, 7111), (21, 7159),

Gene: EmoNemo_18 Start: 7885, Stop: 8082, Start Num: 7
Candidate Starts for EmoNemo_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Farrylious_17 Start: 7566, Stop: 7835, Start Num: 3
Candidate Starts for Farrylious_17:
(1, 7476), (Start: 3 @7566 has 15 MA's), (5, 7590), (7, 7638), (10, 7689), (12, 7701), (14, 7710), (18, 7743), (21, 7803), (23, 7821),

Gene: FlyingTortilla_16 Start: 8715, Stop: 8981, Start Num: 3
Candidate Starts for FlyingTortilla_16:
(1, 8613), (2, 8706), (Start: 3 @8715 has 15 MA's), (5, 8739), (7, 8787), (9, 8799), (12, 8847), (16, 8868), (18, 8889), (21, 8949), (23, 8967),

Gene: FruityLoops_15 Start: 8723, Stop: 8986, Start Num: 3
Candidate Starts for FruityLoops_15:
(1, 8621), (2, 8714), (Start: 3 @8723 has 15 MA's), (5, 8747), (7, 8795), (9, 8807), (12, 8852), (16, 8873), (18, 8894), (21, 8954), (23, 8972),

Gene: GMA6_6 Start: 3457, Stop: 3711, Start Num: 3
Candidate Starts for GMA6_6:
(Start: 3 @3457 has 15 MA's), (4, 3469), (8, 3526), (13, 3583), (17, 3607), (18, 3619), (19, 3631), (20, 3634), (21, 3679), (24, 3703),

Gene: Gray_18 Start: 7813, Stop: 8082, Start Num: 3
Candidate Starts for Gray_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Hanem_18 Start: 7813, Stop: 8082, Start Num: 3
Candidate Starts for Hanem_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Kabocha_19 Start: 8626, Stop: 8895, Start Num: 3
Candidate Starts for Kabocha_19:
(1, 8536), (Start: 3 @8626 has 15 MA's), (5, 8650), (7, 8698), (10, 8749), (12, 8761), (14, 8770), (18, 8803), (21, 8863), (23, 8881),

Gene: Lenoshki_18 Start: 7511, Stop: 7708, Start Num: 7
Candidate Starts for Lenoshki_18:
(1, 7349), (Start: 3 @7439 has 15 MA's), (5, 7463), (7, 7511), (10, 7562), (12, 7574), (14, 7583), (18, 7616), (21, 7676), (23, 7694),

Gene: Mikronejon_18 Start: 7813, Stop: 8082, Start Num: 3
Candidate Starts for Mikronejon_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: MintFritos_18 Start: 7885, Stop: 8082, Start Num: 7
Candidate Starts for MintFritos_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Oogie_18 Start: 7465, Stop: 7734, Start Num: 3
Candidate Starts for Oogie_18:
(1, 7366), (2, 7456), (Start: 3 @7465 has 15 MA's), (5, 7489), (7, 7537), (10, 7588), (12, 7600), (14, 7609), (18, 7642), (21, 7702), (23, 7720),

Gene: Pakusa_18 Start: 7627, Stop: 7824, Start Num: 7
Candidate Starts for Pakusa_18:
(1, 7465), (Start: 3 @7555 has 15 MA's), (5, 7579), (7, 7627), (10, 7678), (12, 7690), (14, 7699), (18, 7732), (21, 7792), (23, 7810),

Gene: ScarletRaider_16 Start: 8742, Stop: 9008, Start Num: 3
Candidate Starts for ScarletRaider_16:
(1, 8640), (2, 8733), (Start: 3 @8742 has 15 MA's), (5, 8766), (7, 8814), (9, 8826), (12, 8874), (16, 8895), (18, 8916), (21, 8976), (23, 8994),

Gene: Schomber_17 Start: 7542, Stop: 7811, Start Num: 3
Candidate Starts for Schomber_17:
(1, 7452), (Start: 3 @7542 has 15 MA's), (5, 7566), (7, 7614), (10, 7665), (12, 7677), (14, 7686), (18, 7719), (21, 7779), (23, 7797),

Gene: Thales_12 Start: 6242, Stop: 6508, Start Num: 3
Candidate Starts for Thales_12:
(Start: 3 @6242 has 15 MA's), (5, 6266), (6, 6278), (7, 6314), (11, 6371), (15, 6392), (17, 6404), (19, 6428), (21, 6476),

Gene: Toneprano_18 Start: 7885, Stop: 8082, Start Num: 7
Candidate Starts for Toneprano_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: Twin_18 Start: 7885, Stop: 8082, Start Num: 7
Candidate Starts for Twin_18:
(1, 7723), (Start: 3 @7813 has 15 MA's), (5, 7837), (7, 7885), (10, 7936), (12, 7948), (14, 7957), (18, 7990), (21, 8050), (23, 8068),

Gene: UBSmoodge_18 Start: 9211, Stop: 9477, Start Num: 3
Candidate Starts for UBSmoodge_18:
(1, 9109), (2, 9202), (Start: 3 @9211 has 15 MA's), (5, 9235), (7, 9283), (9, 9295), (12, 9343), (16, 9364), (18, 9385), (21, 9445), (23, 9463),