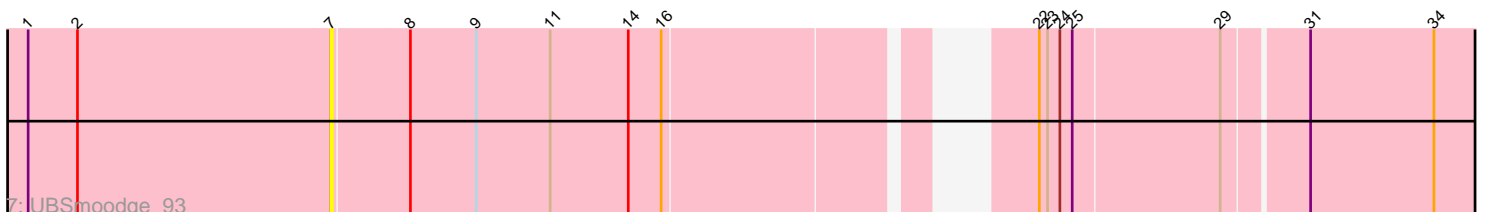
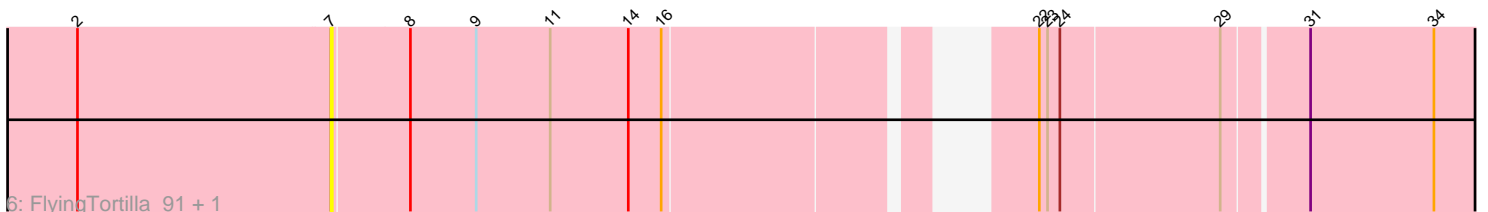
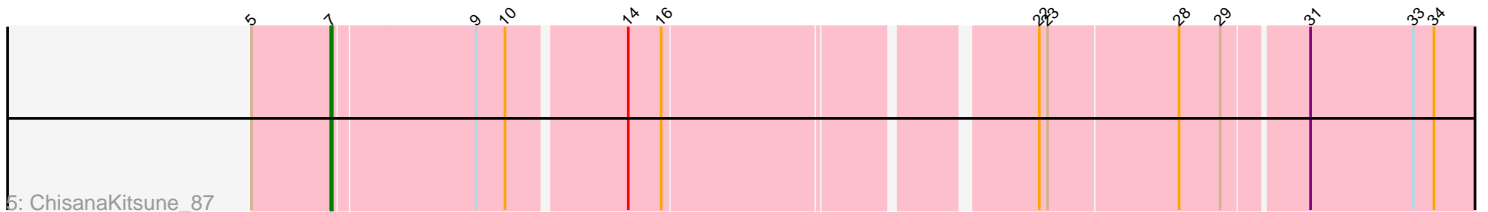
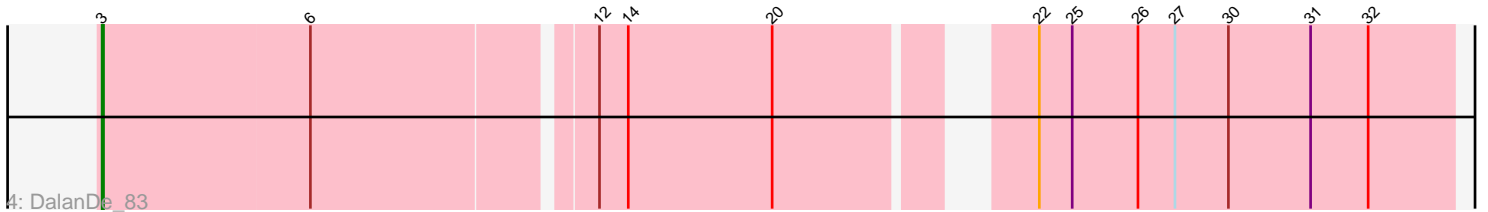
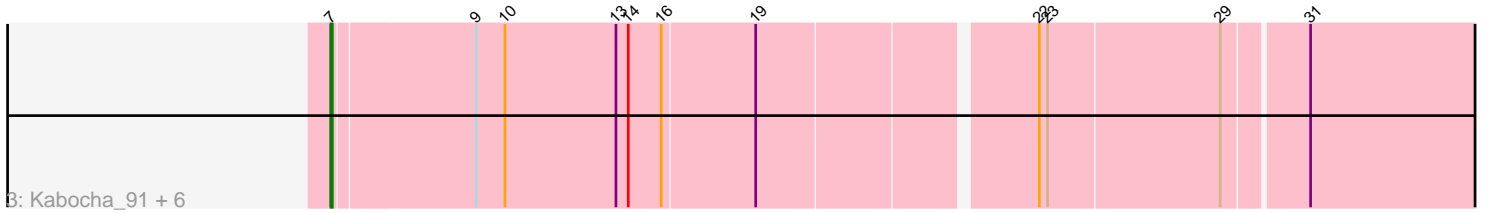
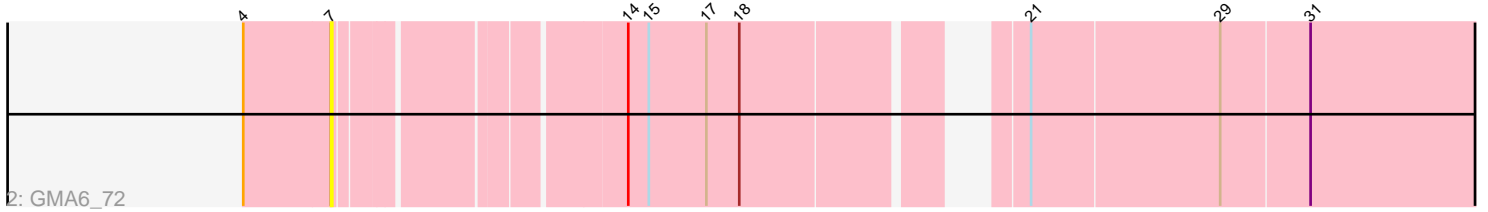
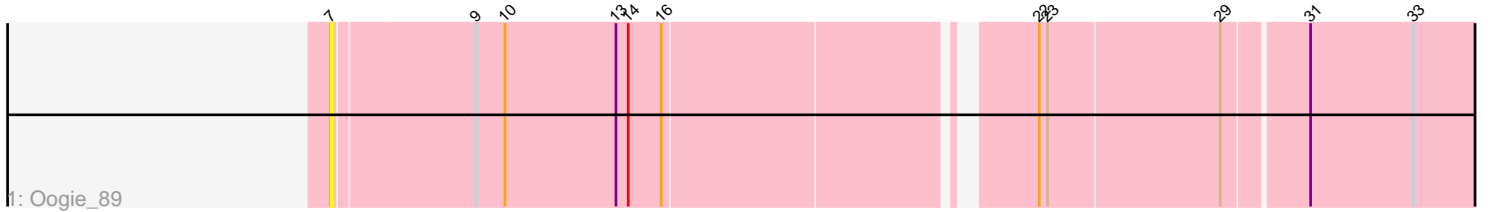


Pham 162283



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 162283 Report

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

Pham number 162283 has 14 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Oogie_89
- Track 2 : GMA6_72
- Track 3 : Kabocha_91, Pakusa_86, Hanem_89, Chidiebere_90, Aloki_85, Schomber_88, Gray_90
- Track 4 : DalanDe_83
- Track 5 : ChisanaKitsune_87
- Track 6 : FlyingTortilla_91, ScarletRaider_90
- Track 7 : UBSmoodge_93

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_85, Chidiebere_90, ChisanaKitsune_87, FlyingTortilla_91, GMA6_72, Gray_90, Hanem_89, Kabocha_91, Oogie_89, Pakusa_86, ScarletRaider_90, Schomber_88, UBSmoodge_93,

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

-

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

- DalanDe_83,

Summary by start number:

Start 3:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe_83 (DQ),

Start 7:

- Found in 13 of 14 (92.9%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_i_85 (DQ), Chidiebere_90 (DQ), ChisanaKitsune_87 (DQ), FlyingTortilla_91 (DQ), GMA6_72 (DQ), Gray_90 (DQ), Hanem_89 (DQ), Kabocha_91 (DQ), Oogie_89 (DQ), Pakusa_86 (DQ), ScarletRaider_90 (DQ), Schomber_88 (DQ), UBSmoodge_93 (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 1 time for cluster DQ.
- Start number 7 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Alok_i_85 Start: 66937, Stop: 67758, Start Num: 7

Candidate Starts for Alok_i_85:

(Start: 7 @66937 has 6 MA's), (9, 67036), (10, 67057), (13, 67138), (14, 67147), (16, 67171), (19, 67237), (22, 67426), (23, 67432), (29, 67555), (31, 67612),

Gene: Chidiebere_90 Start: 67470, Stop: 68291, Start Num: 7

Candidate Starts for Chidiebere_90:

(Start: 7 @67470 has 6 MA's), (9, 67569), (10, 67590), (13, 67671), (14, 67680), (16, 67704), (19, 67770), (22, 67959), (23, 67965), (29, 68088), (31, 68145),

Gene: ChisanaKitsune_87 Start: 66644, Stop: 67441, Start Num: 7

Candidate Starts for ChisanaKitsune_87:

(5, 66587), (Start: 7 @66644 has 6 MA's), (9, 66743), (10, 66764), (14, 66845), (16, 66869), (22, 67115), (23, 67121), (28, 67214), (29, 67244), (31, 67301), (33, 67376), (34, 67391),

Gene: DalanDe_83 Start: 68491, Stop: 69411, Start Num: 3

Candidate Starts for DalanDe_83:

(Start: 3 @68491 has 1 MA's), (6, 68641), (12, 68833), (14, 68854), (20, 68959), (22, 69109), (25, 69133), (26, 69181), (27, 69208), (30, 69247), (31, 69307), (32, 69349),

Gene: FlyingTortilla_91 Start: 71239, Stop: 72009, Start Num: 7

Candidate Starts for FlyingTortilla_91:

(2, 71056), (Start: 7 @71239 has 6 MA's), (8, 71293), (9, 71341), (11, 71395), (14, 71452), (16, 71476), (22, 71689), (23, 71695), (24, 71704), (29, 71818), (31, 71875), (34, 71965),

Gene: GMA6_72 Start: 57807, Stop: 58559, Start Num: 7

Candidate Starts for GMA6_72:

(4, 57744), (Start: 7 @57807 has 6 MA's), (14, 57990), (15, 58005), (17, 58047), (18, 58071), (21, 58233), (29, 58368), (31, 58431),

Gene: Gray_90 Start: 67401, Stop: 68234, Start Num: 7

Candidate Starts for Gray_90:

(Start: 7 @67401 has 6 MA's), (9, 67500), (10, 67521), (13, 67602), (14, 67611), (16, 67635), (19, 67701), (22, 67902), (23, 67908), (29, 68031), (31, 68088),

Gene: Hanem_89 Start: 66937, Stop: 67758, Start Num: 7

Candidate Starts for Hanem_89:

(Start: 7 @66937 has 6 MA's), (9, 67036), (10, 67057), (13, 67138), (14, 67147), (16, 67171), (19, 67237), (22, 67426), (23, 67432), (29, 67555), (31, 67612),

Gene: Kabocha_91 Start: 68283, Stop: 69104, Start Num: 7

Candidate Starts for Kabocha_91:

(Start: 7 @68283 has 6 MA's), (9, 68382), (10, 68403), (13, 68484), (14, 68493), (16, 68517), (19, 68583), (22, 68772), (23, 68778), (29, 68901), (31, 68958),

Gene: Oogie_89 Start: 69101, Stop: 69910, Start Num: 7

Candidate Starts for Oogie_89:

(Start: 7 @69101 has 6 MA's), (9, 69200), (10, 69221), (13, 69302), (14, 69311), (16, 69335), (22, 69578), (23, 69584), (29, 69707), (31, 69764), (33, 69839),

Gene: Pakusa_86 Start: 66663, Stop: 67484, Start Num: 7

Candidate Starts for Pakusa_86:

(Start: 7 @66663 has 6 MA's), (9, 66762), (10, 66783), (13, 66864), (14, 66873), (16, 66897), (19, 66963), (22, 67152), (23, 67158), (29, 67281), (31, 67338),

Gene: ScarletRaider_90 Start: 70504, Stop: 71280, Start Num: 7

Candidate Starts for ScarletRaider_90:

(2, 70321), (Start: 7 @70504 has 6 MA's), (8, 70558), (9, 70606), (11, 70660), (14, 70717), (16, 70741), (22, 70960), (23, 70966), (24, 70975), (29, 71089), (31, 71146), (34, 71236),

Gene: Schomber_88 Start: 66671, Stop: 67492, Start Num: 7

Candidate Starts for Schomber_88:

(Start: 7 @66671 has 6 MA's), (9, 66770), (10, 66791), (13, 66872), (14, 66881), (16, 66905), (19, 66971), (22, 67160), (23, 67166), (29, 67289), (31, 67346),

Gene: UBSmoodge_93 Start: 70944, Stop: 71720, Start Num: 7

Candidate Starts for UBSmoodge_93:

(1, 70725), (2, 70761), (Start: 7 @70944 has 6 MA's), (8, 70998), (9, 71046), (11, 71100), (14, 71157), (16, 71181), (22, 71394), (23, 71400), (24, 71409), (25, 71418), (29, 71523), (31, 71580), (34, 71670),