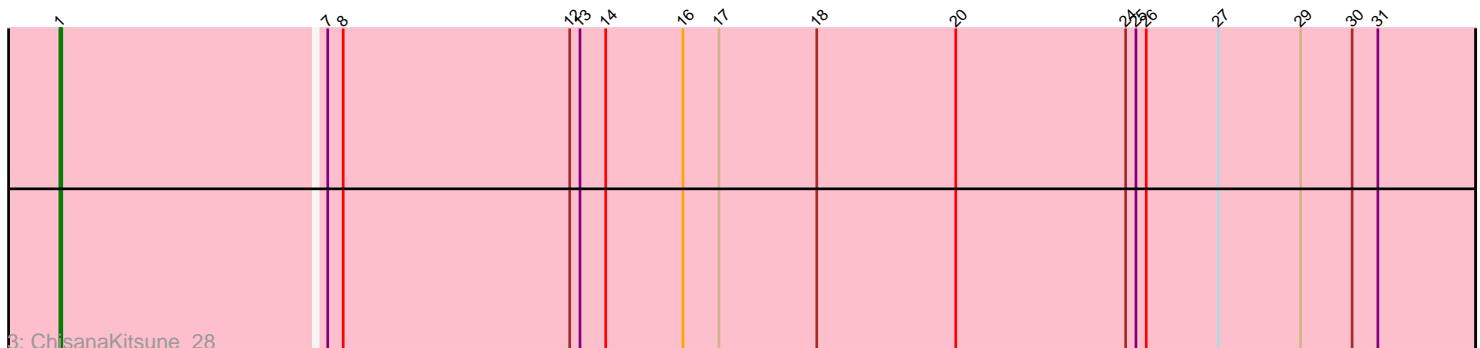
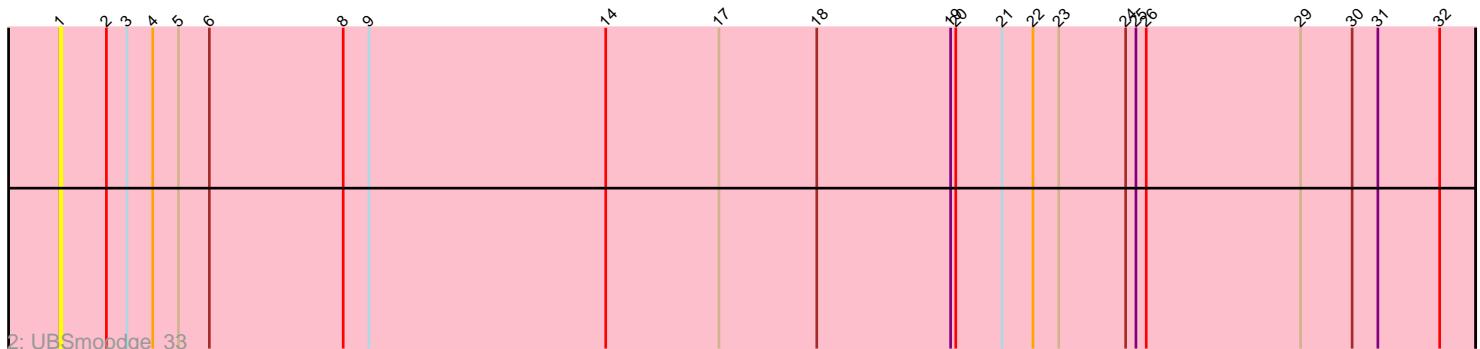
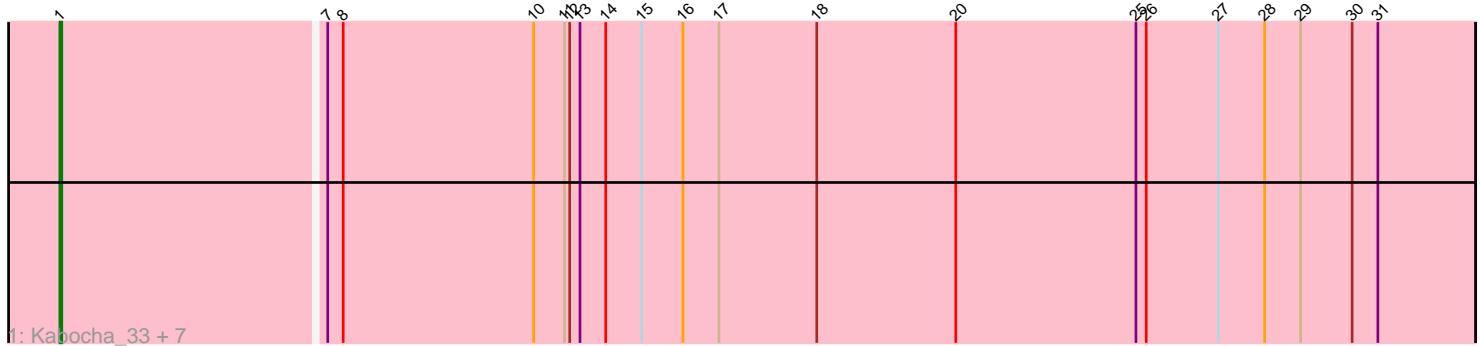


Pham 87622



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 87622 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87622 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Kabocha_33, Pakusa_31, Gray_32, Chidiebere_32, Aloki_31, Hanem_32, Schomber_31, Oogie_32
- Track 2 : UBSmoodge_33
- Track 3 : ChisanaKitsune_28
- Track 4 : FlyingTortilla_31, ScarletRaider_31

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_31, Chidiebere_32, ChisanaKitsune_28, FlyingTortilla_31, Gray_32, Hanem_32, Kabocha_33, Oogie_32, Pakusa_31, ScarletRaider_31, Schomber_31, UBSmoodge_33,

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 1:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aloki_31 (DQ), Chidiebere_32 (DQ), ChisanaKitsune_28 (DQ), FlyingTortilla_31 (DQ), Gray_32 (DQ), Hanem_32 (DQ), Kabocha_33 (DQ), Oogie_32 (DQ), Pakusa_31 (DQ), ScarletRaider_31 (DQ), Schomber_31 (DQ), UBSmoodge_33 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 1 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_31 Start: 22263, Stop: 23081, Start Num: 1

Candidate Starts for Aloki_31:

(Start: 1 @22263 has 6 MA's), (7, 22413), (8, 22422), (10, 22533), (11, 22551), (12, 22554), (13, 22560), (14, 22575), (15, 22596), (16, 22620), (17, 22641), (18, 22698), (20, 22779), (25, 22884), (26, 22890), (27, 22932), (28, 22959), (29, 22980), (30, 23010), (31, 23025),

Gene: Chidiebere_32 Start: 22263, Stop: 23081, Start Num: 1

Candidate Starts for Chidiebere_32:

(Start: 1 @22263 has 6 MA's), (7, 22413), (8, 22422), (10, 22533), (11, 22551), (12, 22554), (13, 22560), (14, 22575), (15, 22596), (16, 22620), (17, 22641), (18, 22698), (20, 22779), (25, 22884), (26, 22890), (27, 22932), (28, 22959), (29, 22980), (30, 23010), (31, 23025),

Gene: ChisanaKitsune_28 Start: 20915, Stop: 21733, Start Num: 1

Candidate Starts for ChisanaKitsune_28:

(Start: 1 @20915 has 6 MA's), (7, 21065), (8, 21074), (12, 21206), (13, 21212), (14, 21227), (16, 21272), (17, 21293), (18, 21350), (20, 21431), (24, 21530), (25, 21536), (26, 21542), (27, 21584), (29, 21632), (30, 21662), (31, 21677),

Gene: FlyingTortilla_31 Start: 25138, Stop: 25962, Start Num: 1

Candidate Starts for FlyingTortilla_31:

(Start: 1 @25138 has 6 MA's), (2, 25165), (3, 25177), (4, 25192), (5, 25207), (6, 25225), (8, 25303), (14, 25456), (17, 25522), (18, 25579), (19, 25657), (20, 25660), (21, 25687), (23, 25720), (24, 25759), (25, 25765), (26, 25771), (29, 25861), (30, 25891), (31, 25906), (32, 25942),

Gene: Gray_32 Start: 22263, Stop: 23081, Start Num: 1

Candidate Starts for Gray_32:

(Start: 1 @22263 has 6 MA's), (7, 22413), (8, 22422), (10, 22533), (11, 22551), (12, 22554), (13, 22560), (14, 22575), (15, 22596), (16, 22620), (17, 22641), (18, 22698), (20, 22779), (25, 22884), (26, 22890), (27, 22932), (28, 22959), (29, 22980), (30, 23010), (31, 23025),

Gene: Hanem_32 Start: 22263, Stop: 23081, Start Num: 1

Candidate Starts for Hanem_32:

(Start: 1 @22263 has 6 MA's), (7, 22413), (8, 22422), (10, 22533), (11, 22551), (12, 22554), (13, 22560), (14, 22575), (15, 22596), (16, 22620), (17, 22641), (18, 22698), (20, 22779), (25, 22884), (26, 22890), (27, 22932), (28, 22959), (29, 22980), (30, 23010), (31, 23025),

Gene: Kabocha_33 Start: 23076, Stop: 23894, Start Num: 1

Candidate Starts for Kabocha_33:

(Start: 1 @23076 has 6 MA's), (7, 23226), (8, 23235), (10, 23346), (11, 23364), (12, 23367), (13, 23373), (14, 23388), (15, 23409), (16, 23433), (17, 23454), (18, 23511), (20, 23592), (25, 23697), (26, 23703), (27, 23745), (28, 23772), (29, 23793), (30, 23823), (31, 23838),

Gene: Oogie_32 Start: 23966, Stop: 24784, Start Num: 1

Candidate Starts for Oogie_32:

(Start: 1 @23966 has 6 MA's), (7, 24116), (8, 24125), (10, 24236), (11, 24254), (12, 24257), (13, 24263), (14, 24278), (15, 24299), (16, 24323), (17, 24344), (18, 24401), (20, 24482), (25, 24587), (26, 24593), (27, 24635), (28, 24662), (29, 24683), (30, 24713), (31, 24728),

Gene: Pakusa_31 Start: 22005, Stop: 22823, Start Num: 1

Candidate Starts for Pakusa_31:

(Start: 1 @22005 has 6 MA's), (7, 22155), (8, 22164), (10, 22275), (11, 22293), (12, 22296), (13, 22302), (14, 22317), (15, 22338), (16, 22362), (17, 22383), (18, 22440), (20, 22521), (25, 22626), (26, 22632), (27, 22674), (28, 22701), (29, 22722), (30, 22752), (31, 22767),

Gene: ScarletRaider_31 Start: 25165, Stop: 25989, Start Num: 1

Candidate Starts for ScarletRaider_31:

(Start: 1 @25165 has 6 MA's), (2, 25192), (3, 25204), (4, 25219), (5, 25234), (6, 25252), (8, 25330), (14, 25483), (17, 25549), (18, 25606), (19, 25684), (20, 25687), (21, 25714), (23, 25747), (24, 25786), (25, 25792), (26, 25798), (29, 25888), (30, 25918), (31, 25933), (32, 25969),

Gene: Schomber_31 Start: 22013, Stop: 22831, Start Num: 1

Candidate Starts for Schomber_31:

(Start: 1 @22013 has 6 MA's), (7, 22163), (8, 22172), (10, 22283), (11, 22301), (12, 22304), (13, 22310), (14, 22325), (15, 22346), (16, 22370), (17, 22391), (18, 22448), (20, 22529), (25, 22634), (26, 22640), (27, 22682), (28, 22709), (29, 22730), (30, 22760), (31, 22775),

Gene: UBSmoodge_33 Start: 24084, Stop: 24908, Start Num: 1

Candidate Starts for UBSmoodge_33:

(Start: 1 @24084 has 6 MA's), (2, 24111), (3, 24123), (4, 24138), (5, 24153), (6, 24171), (8, 24249), (9, 24264), (14, 24402), (17, 24468), (18, 24525), (19, 24603), (20, 24606), (21, 24633), (22, 24651), (23, 24666), (24, 24705), (25, 24711), (26, 24717), (29, 24807), (30, 24837), (31, 24852), (32, 24888),