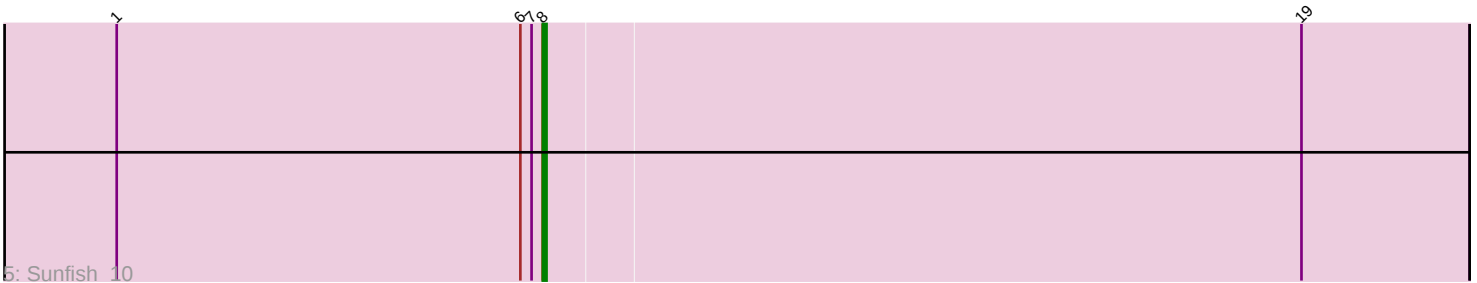
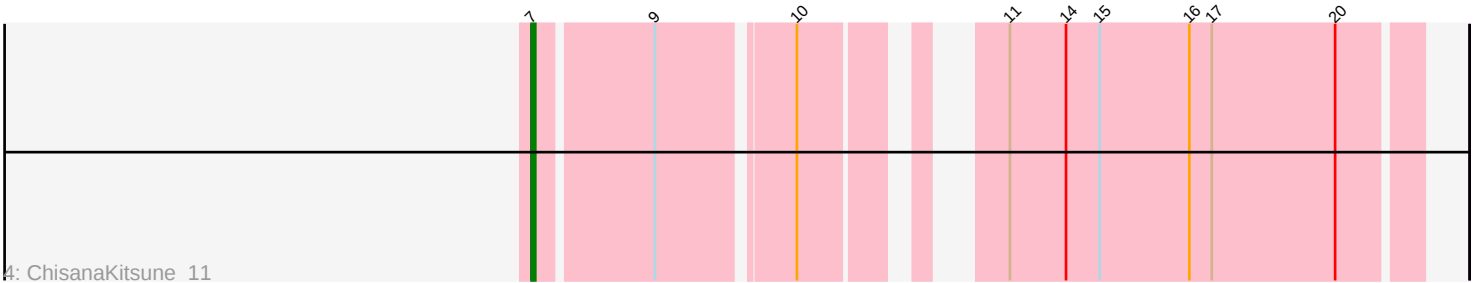
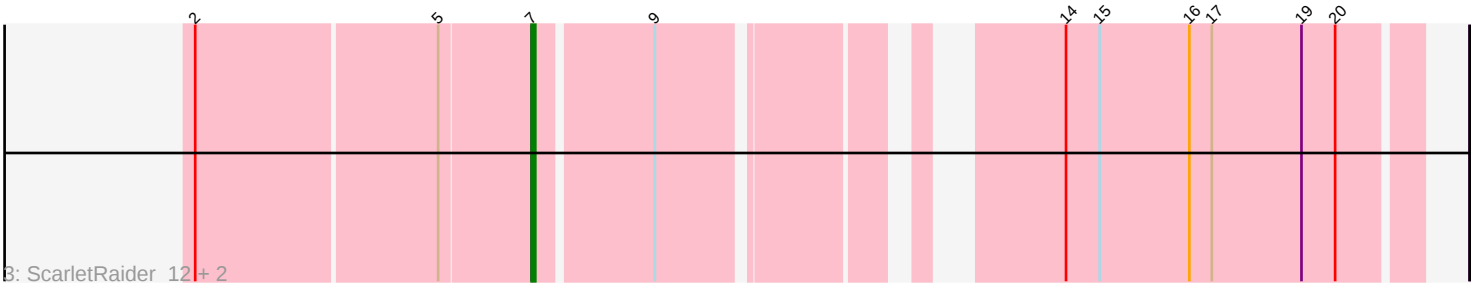
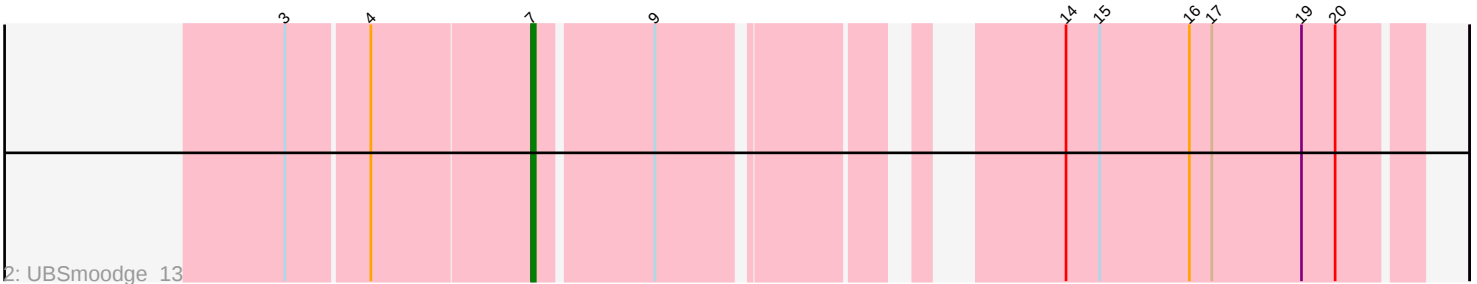
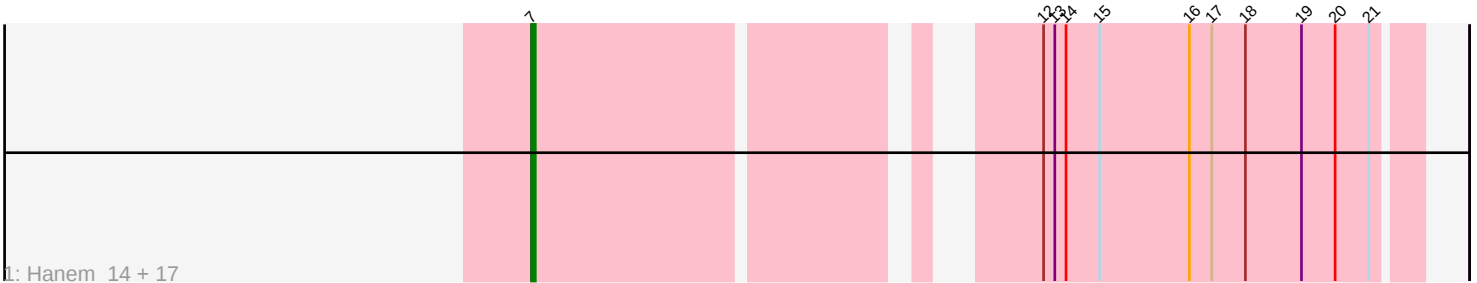


Pham 327423



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 327423 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327423 has 24 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Hanem_14, Chidiebere_14, Lenoshki_15, Pakusa_14, Twin_14, Kabocha_14, Oogie_15, Farrylous_14, Amoonguss_14, MintFritos_14, Alok_14, Argana_14, Beted_15, Gray_14, Toneprano_14, Mikronejon_14, EmoNemo_14, Schomber_14
- Track 2 : UBSmoodge_13
- Track 3 : ScarletRaider_12, FruityLoops_11, FlyingTortilla_12
- Track 4 : ChisanaKitsune_11
- Track 5 : Sunfish_10

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

Genes that call this "Most Annotated" start:

- Alok_14, Amoonguss_14, Argana_14, Beted_15, Chidiebere_14, ChisanaKitsune_11, EmoNemo_14, Farrylous_14, FlyingTortilla_12, FruityLoops_11, Gray_14, Hanem_14, Kabocha_14, Lenoshki_15, Mikronejon_14, MintFritos_14, Oogie_15, Pakusa_14, ScarletRaider_12, Schomber_14, Toneprano_14, Twin_14, UBSmoodge_13,

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

- Sunfish_10,

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

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Summary by start number:

Start 7:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 15
- Called 95.8% of time when present

- Phage (with cluster) where this start called: Alok_i_14 (DQ), Amoonguss_14 (DQ), Argena_14 (DQ), Beted_15 (DQ), Chidiebere_14 (DQ), ChisanaKitsune_11 (DQ), EmoNemo_14 (DQ), Farrylous_14 (DQ), FlyingTortilla_12 (DQ), FruityLoops_11 (DQ), Gray_14 (DQ), Hanem_14 (DQ), Kabocha_14 (DQ), Lenoshki_15 (DQ), Mikronejon_14 (DQ), MintFritos_14 (DQ), Oogie_15 (DQ), Pakusa_14 (DQ), ScarletRaider_12 (DQ), Schomber_14 (DQ), Toneprano_14 (DQ), Twin_14 (DQ), UBSmoodge_13 (DQ),

Start 8:

- Found in 1 of 24 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunfish_10 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster DQ:

- Start number 7 was manually annotated 14 times for cluster DQ.

Gene Information:

Gene: Alok_i_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Alok_i_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Amoonguss_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Amoonguss_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Argena_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Argena_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Beted_15 Start: 5582, Stop: 5794, Start Num: 7

Candidate Starts for Beted_15:

(Start: 7 @5582 has 14 MA's), (12, 5696), (13, 5699), (14, 5702), (15, 5711), (16, 5735), (17, 5741), (18, 5750), (19, 5765), (20, 5774), (21, 5783),

Gene: Chidiebere_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Chidiebere_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: ChisanaKitsune_11 Start: 4663, Stop: 4869, Start Num: 7

Candidate Starts for ChisanaKitsune_11:

(Start: 7 @4663 has 14 MA's), (9, 4693), (10, 4726), (11, 4762), (14, 4777), (15, 4786), (16, 4810), (17, 4816), (20, 4849),

Gene: EmoNemo_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for EmoNemo_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Farrylious_14 Start: 5709, Stop: 5921, Start Num: 7

Candidate Starts for Farrylious_14:

(Start: 7 @5709 has 14 MA's), (12, 5823), (13, 5826), (14, 5829), (15, 5838), (16, 5862), (17, 5868), (18, 5877), (19, 5892), (20, 5901), (21, 5910),

Gene: FlyingTortilla_12 Start: 6471, Stop: 6677, Start Num: 7

Candidate Starts for FlyingTortilla_12:

(2, 6384), (5, 6447), (Start: 7 @6471 has 14 MA's), (9, 6501), (14, 6585), (15, 6594), (16, 6618), (17, 6624), (19, 6648), (20, 6657),

Gene: FruityLoops_11 Start: 6380, Stop: 6586, Start Num: 7

Candidate Starts for FruityLoops_11:

(2, 6293), (5, 6356), (Start: 7 @6380 has 14 MA's), (9, 6410), (14, 6494), (15, 6503), (16, 6527), (17, 6533), (19, 6557), (20, 6566),

Gene: Gray_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Gray_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Hanem_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Hanem_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Kabocha_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Kabocha_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Lenoshki_15 Start: 5582, Stop: 5794, Start Num: 7

Candidate Starts for Lenoshki_15:

(Start: 7 @5582 has 14 MA's), (12, 5696), (13, 5699), (14, 5702), (15, 5711), (16, 5735), (17, 5741), (18, 5750), (19, 5765), (20, 5774), (21, 5783),

Gene: Mikronejon_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Mikronejon_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: MintFritos_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for MintFritos_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Oogie_15 Start: 5582, Stop: 5794, Start Num: 7

Candidate Starts for Oogie_15:

(Start: 7 @5582 has 14 MA's), (12, 5696), (13, 5699), (14, 5702), (15, 5711), (16, 5735), (17, 5741), (18, 5750), (19, 5765), (20, 5774), (21, 5783),

Gene: Pakusa_14 Start: 5427, Stop: 5639, Start Num: 7

Candidate Starts for Pakusa_14:

(Start: 7 @5427 has 14 MA's), (12, 5541), (13, 5544), (14, 5547), (15, 5556), (16, 5580), (17, 5586), (18, 5595), (19, 5610), (20, 5619), (21, 5628),

Gene: ScarletRaider_12 Start: 6498, Stop: 6704, Start Num: 7

Candidate Starts for ScarletRaider_12:

(2, 6411), (5, 6474), (Start: 7 @6498 has 14 MA's), (9, 6528), (14, 6612), (15, 6621), (16, 6645), (17, 6651), (19, 6675), (20, 6684),

Gene: Schomber_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Schomber_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Sunfish_10 Start: 3392, Stop: 3637, Start Num: 8

Candidate Starts for Sunfish_10:

(1, 3278), (6, 3386), (Start: 7 @3389 has 14 MA's), (Start: 8 @3392 has 1 MA's), (19, 3593),

Gene: Toneprano_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Toneprano_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: Twin_14 Start: 5685, Stop: 5897, Start Num: 7

Candidate Starts for Twin_14:

(Start: 7 @5685 has 14 MA's), (12, 5799), (13, 5802), (14, 5805), (15, 5814), (16, 5838), (17, 5844), (18, 5853), (19, 5868), (20, 5877), (21, 5886),

Gene: UBSmoodge_13 Start: 6871, Stop: 7077, Start Num: 7

Candidate Starts for UBSmoodge_13:

(3, 6808), (4, 6829), (Start: 7 @6871 has 14 MA's), (9, 6901), (14, 6985), (15, 6994), (16, 7018), (17, 7024), (19, 7048), (20, 7057),