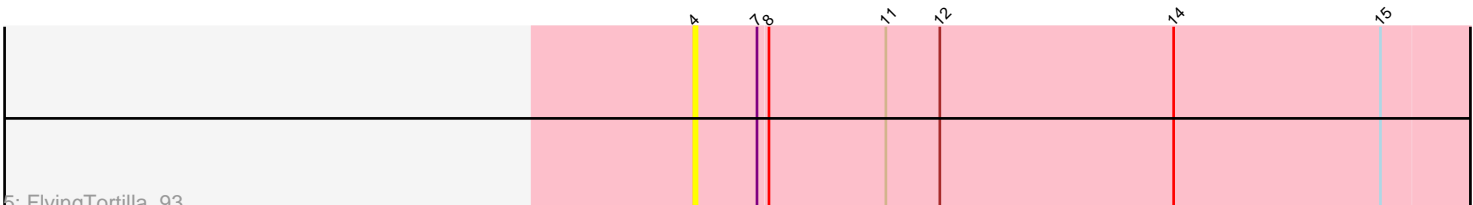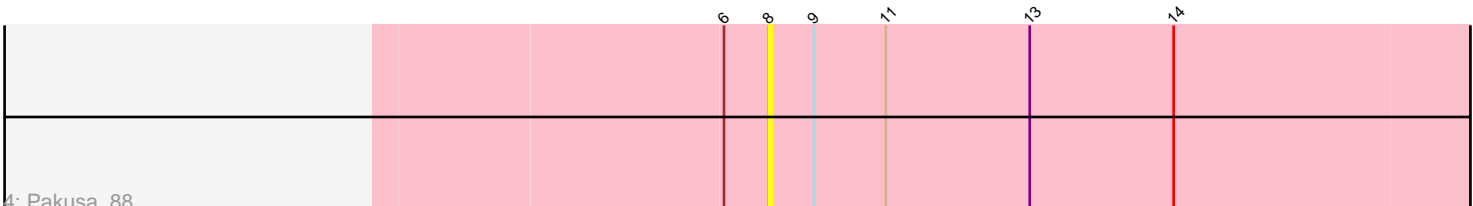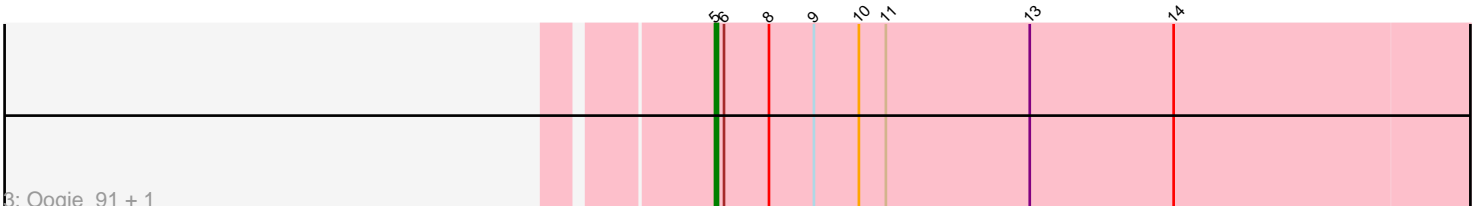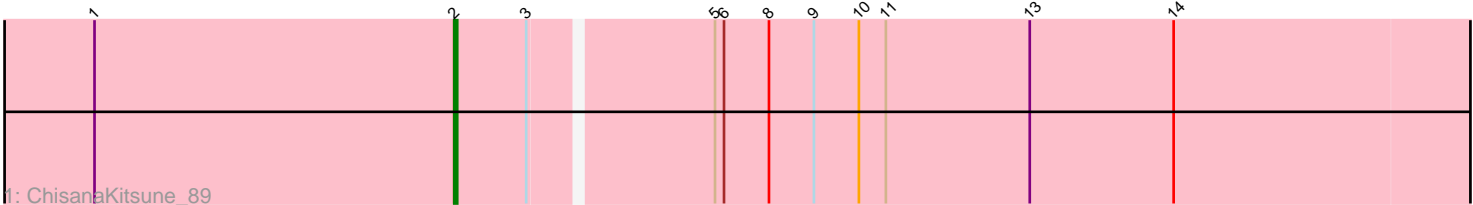# Pham 11653

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 11653 Report

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

Pham number 11653 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : ChisanaKitsune_89
• Track 2 : Kabocha_93, Hanem_91, Chidiebere_92, Schomber_90, Aloki_87
• Track 3 : Oogie_91, Gray_92
• Track 4 : Pakusa_88
• Track 5 : FlyingTortilla_93
• Track 6 : ScarletRaider_93
• Track 7 : UBSmoodge_96

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_87, Chidiebere_92, Hanem_91, Kabocha_93, Schomber_90,

Genes that have the "Most Annotated" start but do not call it:
• ChisanaKitsune_89, Gray_92, Oogie_91, Pakusa_88,

Genes that do not have the "Most Annotated" start:
• FlyingTortilla_93, ScarletRaider_93, UBSmoodge_96,

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChisanaKitsune_89 (DQ),

Start 4:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present

• Phage (with cluster) where this start called: FlyingTortilla_93 (DQ), ScarletRaider_93 (DQ),

Start 5:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Gray_92 (DQ), Oogie_91 (DQ),

Start 6:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Aloki_87 (DQ), Chidiebere_92 (DQ), Hanem_91 (DQ), Kabocha_93 (DQ), Schomber_90 (DQ),

Start 8:
• Found in 12 of 12 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Pakusa_88 (DQ), UBSmoodge_96 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 2 was manually annotated 1 time for cluster DQ.
•Start number 5 was manually annotated 1 time for cluster DQ.
•Start number 6 was manually annotated 4 times for cluster DQ.

Gene Information:
Gene: Aloki_87 Start: 68550, Stop: 68819, Start Num: 6
Candidate Starts for Aloki_87:
(Start: 6 @68550 has 4 MA's), (8, 68565), (9, 68580), (11, 68604), (13, 68652), (14, 68700),

Gene: Chidiebere_92 Start: 69083, Stop: 69352, Start Num: 6
Candidate Starts for Chidiebere_92:
(Start: 6 @69083 has 4 MA's), (8, 69098), (9, 69113), (11, 69137), (13, 69185), (14, 69233),

Gene: ChisanaKitsune_89 Start: 67944, Stop: 68297, Start Num: 2
Candidate Starts for ChisanaKitsune_89:
(1, 67824), (Start: 2 @67944 has 1 MA's), (3, 67968), (Start: 5 @68025 has 1 MA's), (Start: 6 @68028 has 4 MA's), (8, 68043), (9, 68058), (10, 68073), (11, 68082), (13, 68130), (14, 68178),

Gene: FlyingTortilla_93 Start: 72771, Stop: 73049, Start Num: 4
Candidate Starts for FlyingTortilla_93:
(4, 72771), (7, 72792), (8, 72795), (11, 72834), (12, 72852), (14, 72930), (15, 72999),

Gene: Gray_92 Start: 68808, Stop: 69080, Start Num: 5
Candidate Starts for Gray_92:
(Start: 5 @68808 has 1 MA's), (Start: 6 @68811 has 4 MA's), (8, 68826), (9, 68841), (10, 68856), (11, 68865), (13, 68913), (14, 68961),

Gene: Hanem_91 Start: 68550, Stop: 68819, Start Num: 6
Candidate Starts for Hanem_91:
(Start: 6 @68550 has 4 MA's), (8, 68565), (9, 68580), (11, 68604), (13, 68652), (14, 68700),

Gene: Kabocha_93 Start: 69896, Stop: 70165, Start Num: 6
Candidate Starts for Kabocha_93:
(Start: 6 @69896 has 4 MA's), (8, 69911), (9, 69926), (11, 69950), (13, 69998), (14, 70046),

Gene: Oogie_91 Start: 70484, Stop: 70756, Start Num: 5
Candidate Starts for Oogie_91:
(Start: 5 @70484 has 1 MA's), (Start: 6 @70487 has 4 MA's), (8, 70502), (9, 70517), (10, 70532), (11, 70541), (13, 70589), (14, 70637),

Gene: Pakusa_88 Start: 68291, Stop: 68545, Start Num: 8
Candidate Starts for Pakusa_88:
(Start: 6 @68276 has 4 MA's), (8, 68291), (9, 68306), (11, 68330), (13, 68378), (14, 68426),

Gene: ScarletRaider_93 Start: 72039, Stop: 72317, Start Num: 4
Candidate Starts for ScarletRaider_93:
(4, 72039), (7, 72060), (8, 72063), (11, 72102), (12, 72120), (14, 72198), (15, 72267),

Gene: Schomber_90 Start: 68284, Stop: 68553, Start Num: 6
Candidate Starts for Schomber_90:
(Start: 6 @68284 has 4 MA's), (8, 68299), (9, 68314), (11, 68338), (13, 68386), (14, 68434),

Gene: UBSmoodge_96 Start: 72504, Stop: 72758, Start Num: 8
Candidate Starts for UBSmoodge_96:
(4, 72480), (7, 72501), (8, 72504), (11, 72543), (12, 72561), (14, 72639), (15, 72708),