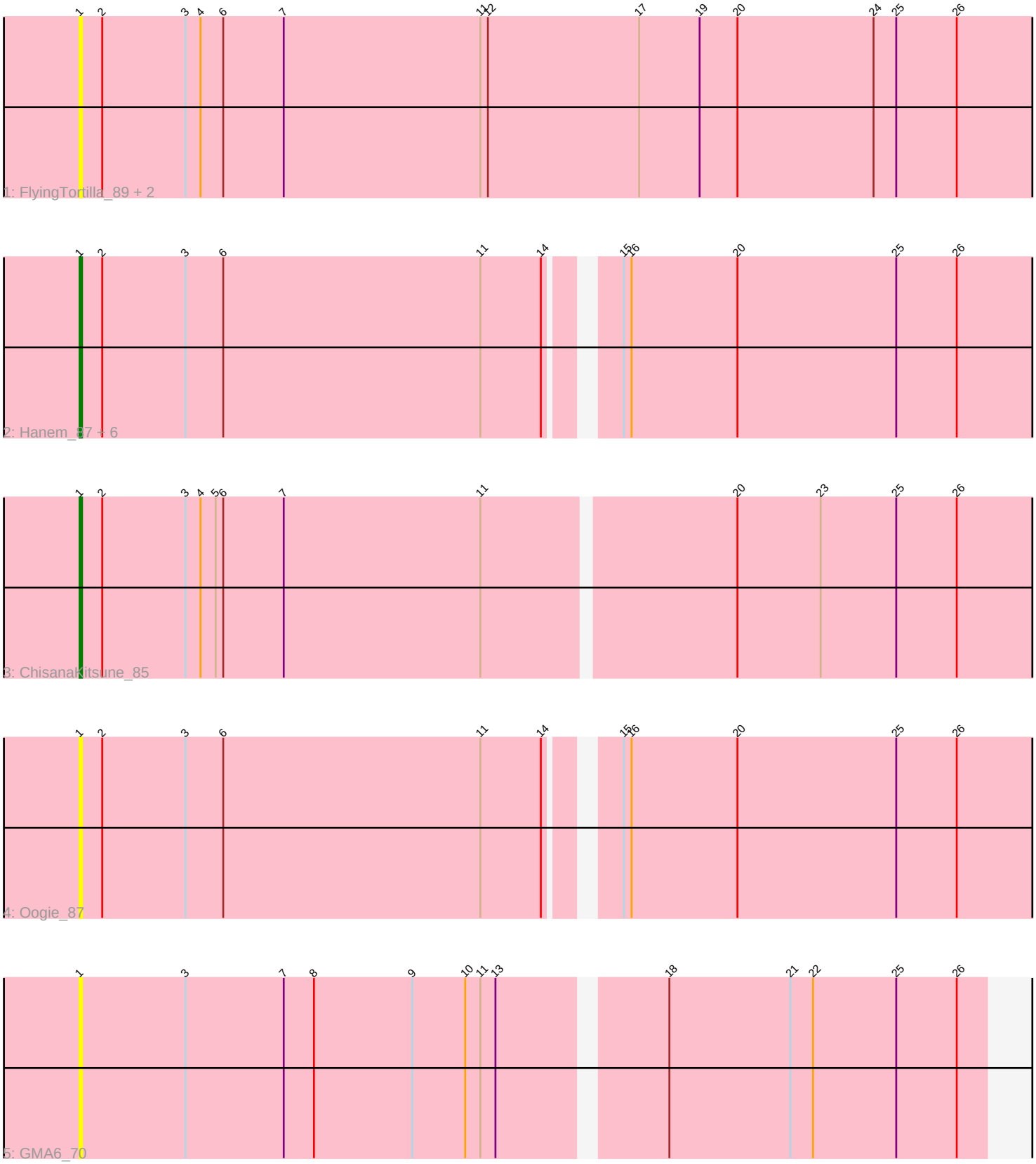
Pham 10085


1: FlyingTortilla_89 + 2
2: Hanem_87 + 6
3: ChisanaKitsune_85
4: Oogie_87
5: GMA6_70

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 10085 Report

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

Pham number 10085 has 13 members, 7 are drafts.

Phages represented in each track:
• Track 1 : FlyingTortilla_89, ScarletRaider_88, UBSmoodge_91
• Track 2 : Hanem_87, Aloki_83, Kabocha_89, Gray_88, Pakusa_84, Schomber_86, Chidiebere_88
• Track 3 : ChisanaKitsune_85
• Track 4 : Oogie_87
• Track 5 : GMA6_70

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_83, Chidiebere_88, ChisanaKitsune_85, FlyingTortilla_89, GMA6_70, Gray_88, Hanem_87, Kabocha_89, Oogie_87, Pakusa_84, ScarletRaider_88, Schomber_86, UBSmoodge_91,

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 13 of 13 (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_83 (DQ), Chidiebere_88 (DQ), ChisanaKitsune_85 (DQ), FlyingTortilla_89 (DQ), GMA6_70 (DQ), Gray_88 (DQ), Hanem_87 (DQ), Kabocha_89 (DQ), Oogie_87 (DQ), Pakusa_84 (DQ), ScarletRaider_88 (DQ), Schomber_86 (DQ), UBSmoodge_91 (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_83 Start: 65680, Stop: 66051, Start Num: 1
Candidate Starts for Aloki_83:
(Start: 1 @65680 has 6 MA's), (2, 65689), (3, 65722), (6, 65737), (11, 65839), (14, 65863), (15, 65884), (16, 65887), (20, 65929), (25, 65992), (26, 66016),

Gene: Chidiebere_88 Start: 66213, Stop: 66584, Start Num: 1
Candidate Starts for Chidiebere_88:
(Start: 1 @66213 has 6 MA's), (2, 66222), (3, 66255), (6, 66270), (11, 66372), (14, 66396), (15, 66417), (16, 66420), (20, 66462), (25, 66525), (26, 66549),

Gene: ChisanaKitsune_85 Start: 65394, Stop: 65771, Start Num: 1
Candidate Starts for ChisanaKitsune_85:
(Start: 1 @65394 has 6 MA's), (2, 65403), (3, 65436), (4, 65442), (5, 65448), (6, 65451), (7, 65475), (11, 65553), (20, 65649), (23, 65682), (25, 65712), (26, 65736),

Gene: FlyingTortilla_89 Start: 69862, Stop: 70245, Start Num: 1
Candidate Starts for FlyingTortilla_89:
(Start: 1 @69862 has 6 MA's), (2, 69871), (3, 69904), (4, 69910), (6, 69919), (7, 69943), (11, 70021), (12, 70024), (17, 70084), (19, 70108), (20, 70123), (24, 70177), (25, 70186), (26, 70210),

Gene: GMA6_70 Start: 56628, Stop: 56978, Start Num: 1
Candidate Starts for GMA6_70:
(Start: 1 @56628 has 6 MA's), (3, 56670), (7, 56709), (8, 56721), (9, 56760), (10, 56781), (11, 56787), (13, 56793), (18, 56853), (21, 56901), (22, 56910), (25, 56943), (26, 56967),

Gene: Gray_88 Start: 66144, Stop: 66515, Start Num: 1
Candidate Starts for Gray_88:
(Start: 1 @66144 has 6 MA's), (2, 66153), (3, 66186), (6, 66201), (11, 66303), (14, 66327), (15, 66348), (16, 66351), (20, 66393), (25, 66456), (26, 66480),

Gene: Hanem_87 Start: 65680, Stop: 66051, Start Num: 1
Candidate Starts for Hanem_87:
(Start: 1 @65680 has 6 MA's), (2, 65689), (3, 65722), (6, 65737), (11, 65839), (14, 65863), (15, 65884), (16, 65887), (20, 65929), (25, 65992), (26, 66016),

Gene: Kabocha_89 Start: 67026, Stop: 67397, Start Num: 1
Candidate Starts for Kabocha_89:
(Start: 1 @67026 has 6 MA's), (2, 67035), (3, 67068), (6, 67083), (11, 67185), (14, 67209), (15, 67230), (16, 67233), (20, 67275), (25, 67338), (26, 67362),

Gene: Oogie_87 Start: 67844, Stop: 68215, Start Num: 1
Candidate Starts for Oogie_87:

(Start: 1 @67844 has 6 MA's), (2, 67853), (3, 67886), (6, 67901), (11, 68003), (14, 68027), (15, 68048), (16, 68051), (20, 68093), (25, 68156), (26, 68180),

Gene: Pakusa_84 Start: 65406, Stop: 65777, Start Num: 1
Candidate Starts for Pakusa_84:
(Start: 1 @65406 has 6 MA's), (2, 65415), (3, 65448), (6, 65463), (11, 65565), (14, 65589), (15, 65610), (16, 65613), (20, 65655), (25, 65718), (26, 65742),

Gene: ScarletRaider_88 Start: 69127, Stop: 69510, Start Num: 1
Candidate Starts for ScarletRaider_88:
(Start: 1 @69127 has 6 MA's), (2, 69136), (3, 69169), (4, 69175), (6, 69184), (7, 69208), (11, 69286), (12, 69289), (17, 69349), (19, 69373), (20, 69388), (24, 69442), (25, 69451), (26, 69475),

Gene: Schomber_86 Start: 65414, Stop: 65785, Start Num: 1
Candidate Starts for Schomber_86:
(Start: 1 @65414 has 6 MA's), (2, 65423), (3, 65456), (6, 65471), (11, 65573), (14, 65597), (15, 65618), (16, 65621), (20, 65663), (25, 65726), (26, 65750),

Gene: UBSmoodge_91 Start: 69567, Stop: 69950, Start Num: 1
Candidate Starts for UBSmoodge_91:
(Start: 1 @69567 has 6 MA's), (2, 69576), (3, 69609), (4, 69615), (6, 69624), (7, 69648), (11, 69726), (12, 69729), (17, 69789), (19, 69813), (20, 69828), (24, 69882), (25, 69891), (26, 69915),