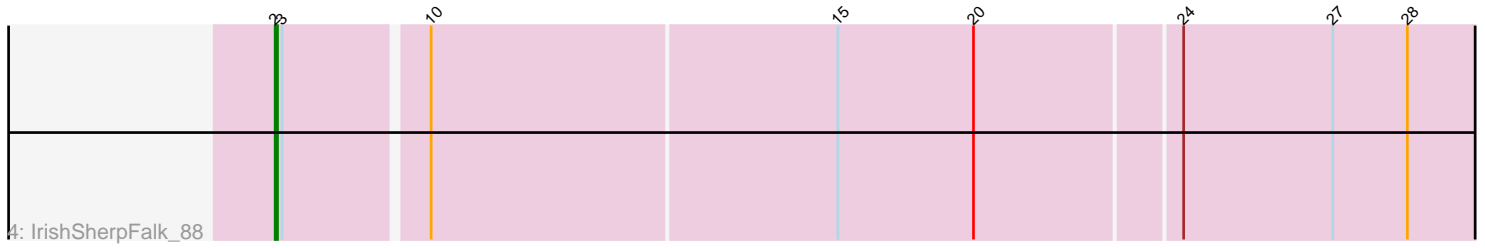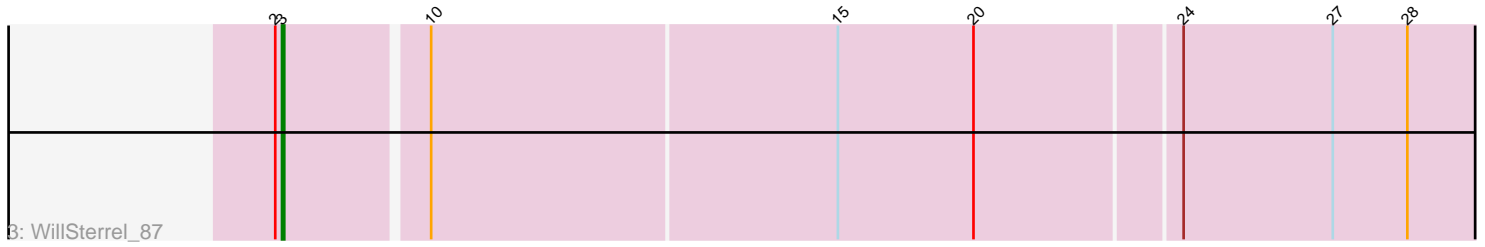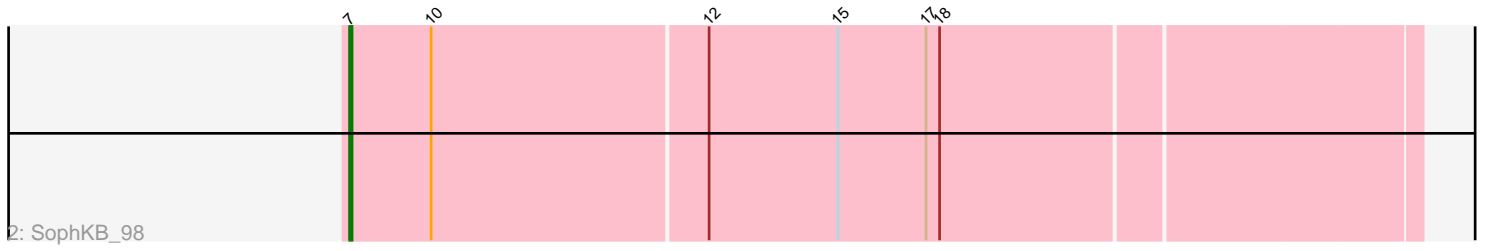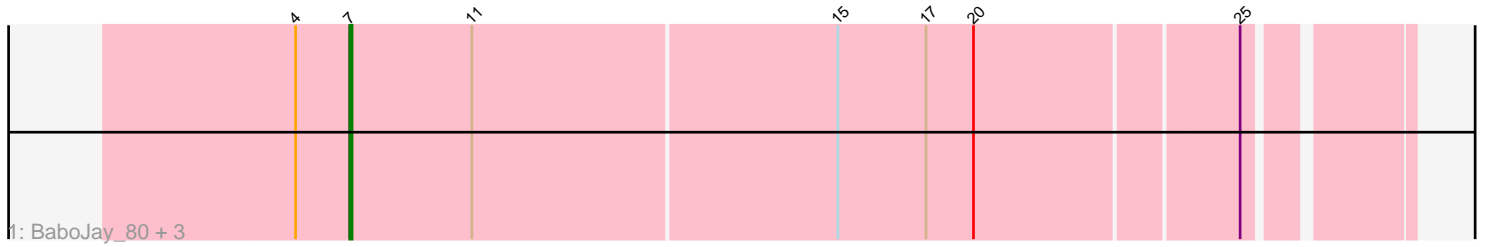# Pham 171958

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 171958 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171958 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BaboJay_80, Goku_81, Manda_84, Eureka_81
• Track 2 : SophKB_98
• Track 3 : WillSterrel_87
• Track 4 : IrishSherpFalk_88
• Track 5 : Kumotta_56
• Track 6 : Gaia_17, Nebkiss_18

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 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaboJay_80, Eureka_81, Goku_81, Manda_84, SophKB_98,

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

Genes that do not have the "Most Annotated" start:
• Gaia_17, IrishSherpFalk_88, Kumotta_56, Nebkiss_18, WillSterrel_87,

Summary by start number:

Start 2:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: IrishSherpFalk_88 (F1),

Start 3:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: WillSterrel_87 (F1),

Start 6:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_56 (FB),

Start 7:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaboJay_80 (E), Eureka_81 (E), Goku_81 (E), Manda_84 (E), SophKB_98 (E),

Start 8:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_17 (X), Nebkiss_18 (X),

Summary by clusters:

There are 4 clusters represented in this pham: F1, FB, E, X,

Info for manual annotations of cluster E:
•Start number 7 was manually annotated 5 times for cluster E.

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 1 time for cluster F1.
•Start number 3 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FB:
•Start number 6 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster X:
•Start number 8 was manually annotated 2 times for cluster X.

Gene Information:

Gene: BaboJay_80 Start: 51126, Stop: 51572, Start Num: 7
Candidate Starts for BaboJay_80:
(4, 51102), (Start: 7 @51126 has 5 MA's), (11, 51180), (15, 51339), (17, 51378), (20, 51399), (25, 51510),

Gene: Eureka_81 Start: 51417, Stop: 51863, Start Num: 7
Candidate Starts for Eureka_81:
(4, 51393), (Start: 7 @51417 has 5 MA's), (11, 51471), (15, 51630), (17, 51669), (20, 51690), (25, 51801),

Gene: Gaia_17 Start: 16945, Stop: 17430, Start Num: 8
Candidate Starts for Gaia_17:

(Start: 8 @16945 has 2 MA's), (9, 16954), (16, 17170), (19, 17209), (21, 17218), (22, 17269), (26, 17368),

Gene: Goku_81 Start: 51146, Stop: 51592, Start Num: 7
Candidate Starts for Goku_81:
(4, 51122), (Start: 7 @51146 has 5 MA's), (11, 51200), (15, 51359), (17, 51398), (20, 51419), (25, 51530),

Gene: IrishSherpFalk_88 Start: 51234, Stop: 51749, Start Num: 2
Candidate Starts for IrishSherpFalk_88:
(Start: 2 @51234 has 1 MA's), (Start: 3 @51237 has 1 MA's), (10, 51297), (15, 51474), (20, 51534), (24, 51621), (27, 51687), (28, 51720),

Gene: Kumotta_56 Start: 32485, Stop: 32964, Start Num: 6
Candidate Starts for Kumotta_56:
(1, 32380), (5, 32479), (Start: 6 @32485 has 1 MA's), (13, 32686), (14, 32701), (17, 32743), (23, 32827),

Gene: Manda_84 Start: 52535, Stop: 52981, Start Num: 7
Candidate Starts for Manda_84:
(4, 52511), (Start: 7 @52535 has 5 MA's), (11, 52589), (15, 52748), (17, 52787), (20, 52808), (25, 52919),

Gene: Nebkiss_18 Start: 16946, Stop: 17431, Start Num: 8
Candidate Starts for Nebkiss_18:
(Start: 8 @16946 has 2 MA's), (9, 16955), (16, 17171), (19, 17210), (21, 17219), (22, 17270), (26, 17369),

Gene: SophKB_98 Start: 59438, Stop: 59899, Start Num: 7
Candidate Starts for SophKB_98:
(Start: 7 @59438 has 5 MA's), (10, 59474), (12, 59594), (15, 59651), (17, 59690), (18, 59696),

Gene: WillSterrel_87 Start: 51270, Stop: 51782, Start Num: 3
Candidate Starts for WillSterrel_87:
(Start: 2 @51267 has 1 MA's), (Start: 3 @51270 has 1 MA's), (10, 51330), (15, 51507), (20, 51567), (24, 51654), (27, 51720), (28, 51753),