Pham 88778
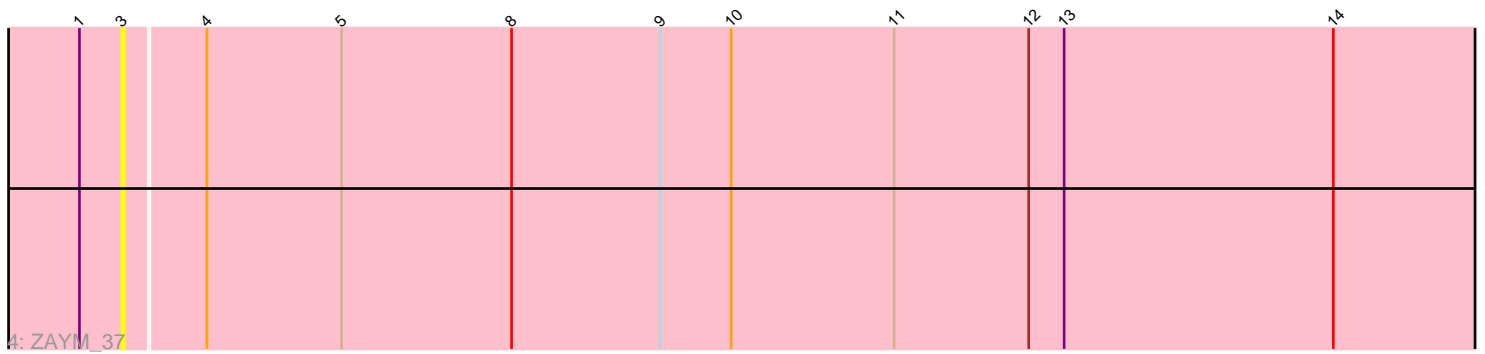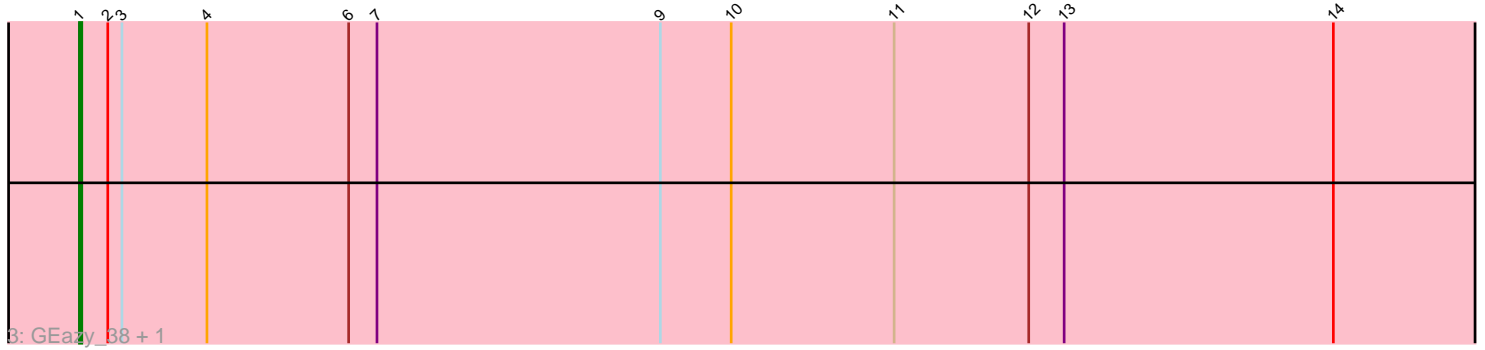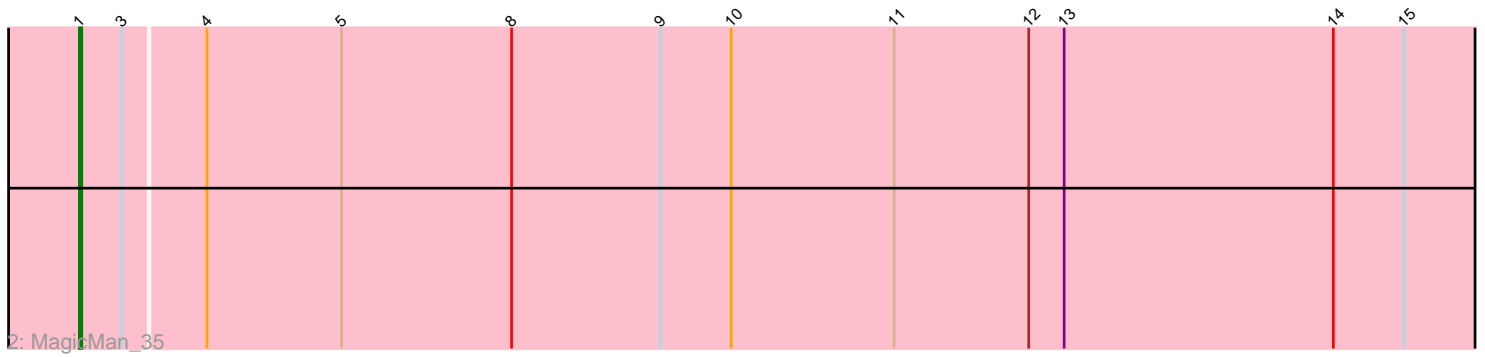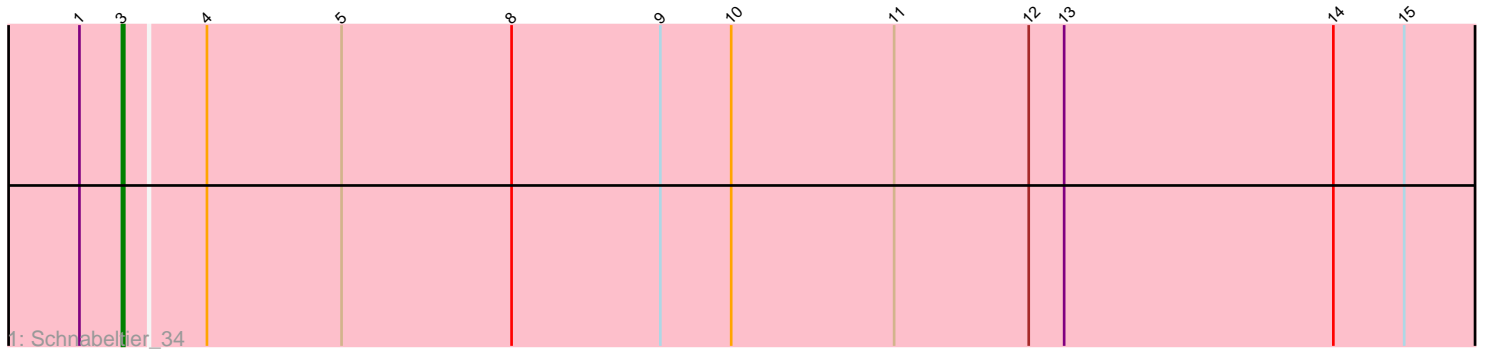

1: Schnabeltier_34

2: MagicMan_35

3: GEazy_38 + 1

4: ZAYM_37

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 88778 Report

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

Pham number 88778 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Schnabeltier_34
• Track 2 : MagicMan_35
• Track 3 : GEazy_38, HannahD_36
• Track 4 : ZAYM_37

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GEazy_38, HannahD_36, MagicMan_35,

Genes that have the "Most Annotated" start but do not call it:
• Schnabeltier_34, ZAYM_37,

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

Summary by start number:

Start 1:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 60.0% of time when present
• Phage (with cluster) where this start called: GEazy_38 (DB), HannahD_36 (DB), MagicMan_35 (DB),

Start 3:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Schnabeltier_34 (DB), ZAYM_37 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

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

Gene Information:
Gene: GEazy_38 Start: 29700, Stop: 29065, Start Num: 1
Candidate Starts for GEazy_38:
(Start: 1 @29700 has 3 MA's), (2, 29688), (Start: 3 @29682 has 1 MA's), (4, 29646), (6, 29586), (7, 29574), (9, 29454), (10, 29424), (11, 29355), (12, 29298), (13, 29283), (14, 29169),

Gene: HannahD_36 Start: 29065, Stop: 28430, Start Num: 1
Candidate Starts for HannahD_36:
(Start: 1 @29065 has 3 MA's), (2, 29053), (Start: 3 @29047 has 1 MA's), (4, 29011), (6, 28951), (7, 28939), (9, 28819), (10, 28789), (11, 28720), (12, 28663), (13, 28648), (14, 28534),

Gene: MagicMan_35 Start: 30058, Stop: 29426, Start Num: 1
Candidate Starts for MagicMan_35:
(Start: 1 @30058 has 3 MA's), (Start: 3 @30040 has 1 MA's), (4, 30007), (5, 29950), (8, 29878), (9, 29815), (10, 29785), (11, 29716), (12, 29659), (13, 29644), (14, 29530), (15, 29500),

Gene: Schnabeltier_34 Start: 29670, Stop: 29056, Start Num: 3
Candidate Starts for Schnabeltier_34:
(Start: 1 @29688 has 3 MA's), (Start: 3 @29670 has 1 MA's), (4, 29637), (5, 29580), (8, 29508), (9, 29445), (10, 29415), (11, 29346), (12, 29289), (13, 29274), (14, 29160), (15, 29130),

Gene: ZAYM_37 Start: 29654, Stop: 29040, Start Num: 3
Candidate Starts for ZAYM_37:
(Start: 1 @29672 has 3 MA's), (Start: 3 @29654 has 1 MA's), (4, 29621), (5, 29564), (8, 29492), (9, 29429), (10, 29399), (11, 29330), (12, 29273), (13, 29258), (14, 29144),