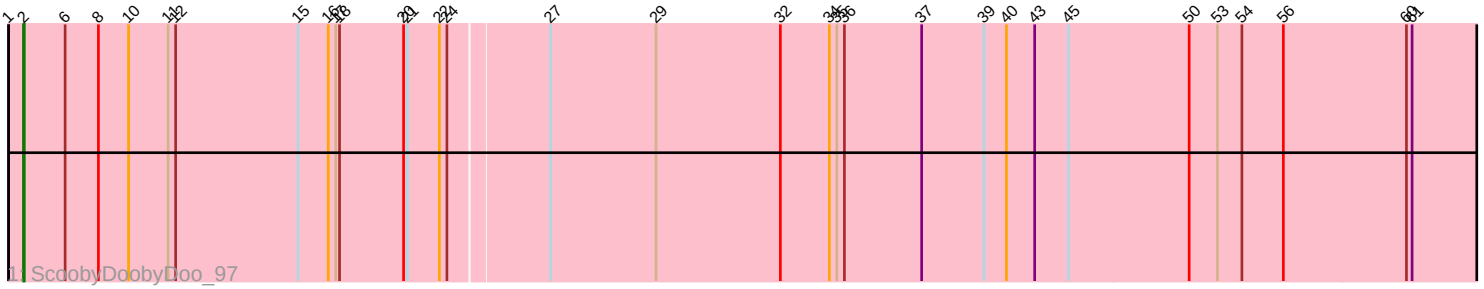
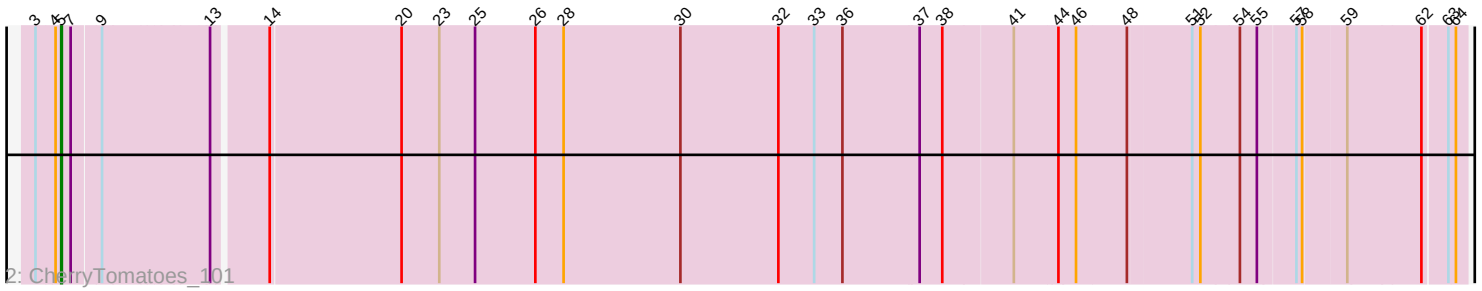
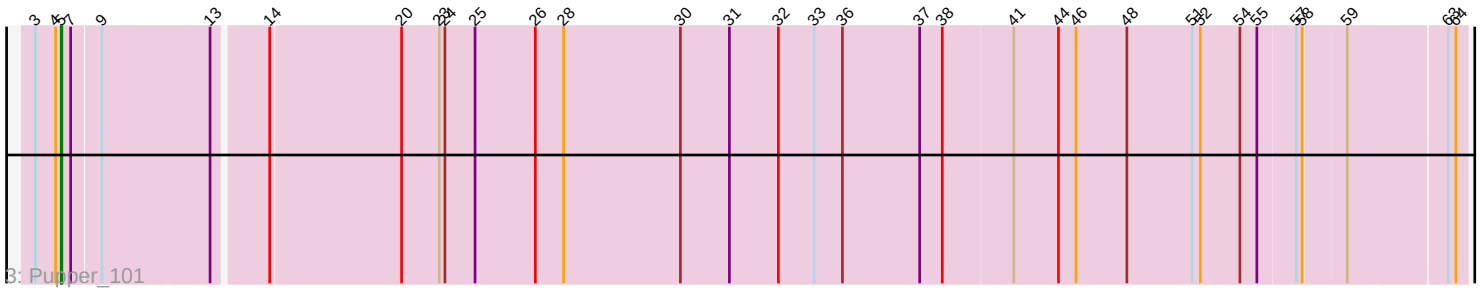
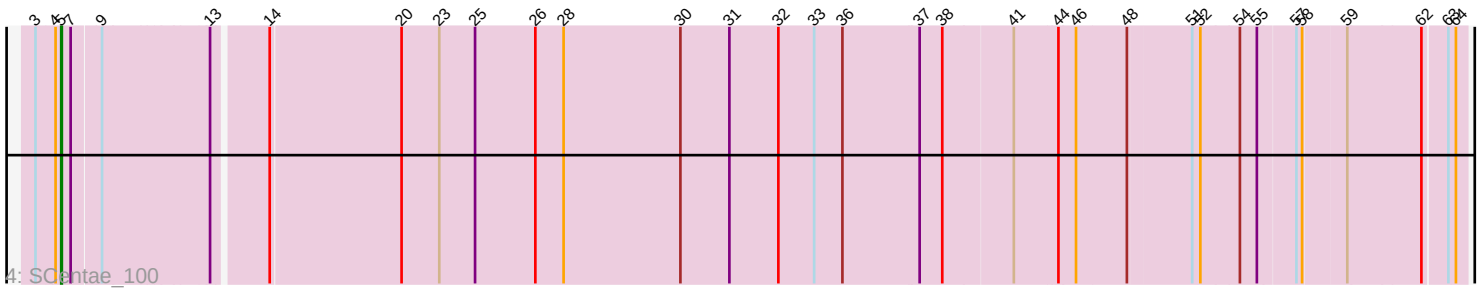
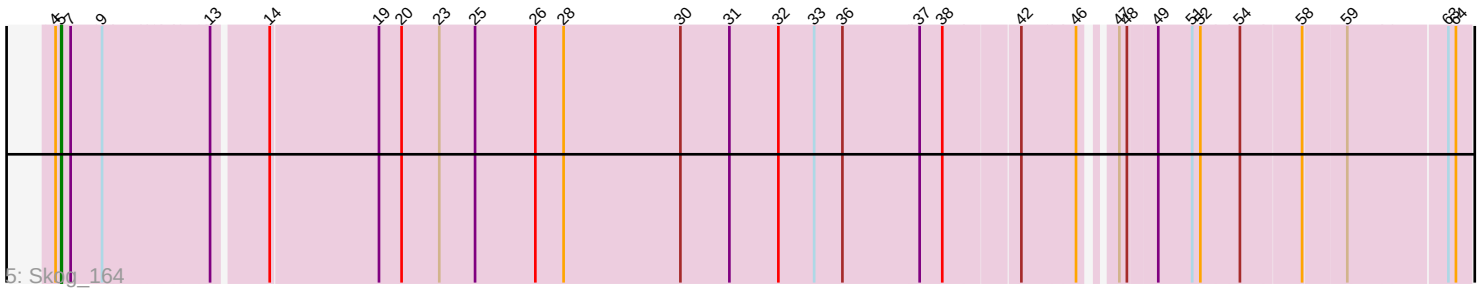
Pham 281352


1: ScdobyDoobyDoo_97


2: CherryTomatoes_101


3: Pupper_101


4: SCantae_100


5: Skog_164

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 281352 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281352 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : ScoobyDoobyDoo_97
• Track 2 : CherryTomatoes_101
• Track 3 : Pupper_101
• Track 4 : SCentae_100
• Track 5 : Skog_164

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryTomatoes_101, Pupper_101, SCentae_100, Skog_164,

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

Genes that do not have the "Most Annotated" start:
• ScoobyDoobyDoo_97,

Summary by start number:

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_97 (C2),

Start 5:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_101 (DO), Pupper_101 (DO), SCentae_100 (DO), Skog_164 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, C2,

Info for manual annotations of cluster C2:
•Start number 2 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster DO:
•Start number 5 was manually annotated 4 times for cluster DO.

Gene Information:

Gene: CherryTomatoes_101 Start: 57125, Stop: 59254, Start Num: 5
Candidate Starts for CherryTomatoes_101:
(3, 57089), (4, 57116), (Start: 5 @57125 has 4 MA's), (7, 57140), (9, 57182), (13, 57338), (14, 57416), (20, 57620), (23, 57680), (25, 57737), (26, 57833), (28, 57878), (30, 58064), (32, 58220), (33, 58277), (36, 58322), (37, 58442), (38, 58478), (41, 58586), (44, 58652), (46, 58679), (48, 58757), (51, 58853), (52, 58862), (54, 58922), (55, 58949), (57, 59006), (58, 59015), (59, 59078), (62, 59192), (63, 59228), (64, 59237),

Gene: Pupper_101 Start: 57246, Stop: 59375, Start Num: 5
Candidate Starts for Pupper_101:
(3, 57210), (4, 57237), (Start: 5 @57246 has 4 MA's), (7, 57261), (9, 57303), (13, 57459), (14, 57537), (20, 57741), (23, 57801), (24, 57810), (25, 57858), (26, 57954), (28, 57999), (30, 58185), (31, 58263), (32, 58341), (33, 58398), (36, 58443), (37, 58563), (38, 58599), (41, 58707), (44, 58773), (46, 58800), (48, 58878), (51, 58974), (52, 58983), (54, 59043), (55, 59070), (57, 59127), (58, 59136), (59, 59199), (63, 59349), (64, 59358),

Gene: SCentae_100 Start: 57392, Stop: 59521, Start Num: 5
Candidate Starts for SCentae_100:
(3, 57356), (4, 57383), (Start: 5 @57392 has 4 MA's), (7, 57407), (9, 57449), (13, 57605), (14, 57683), (20, 57887), (23, 57947), (25, 58004), (26, 58100), (28, 58145), (30, 58331), (31, 58409), (32, 58487), (33, 58544), (36, 58589), (37, 58709), (38, 58745), (41, 58853), (44, 58919), (46, 58946), (48, 59024), (51, 59120), (52, 59129), (54, 59189), (55, 59216), (57, 59273), (58, 59282), (59, 59345), (62, 59459), (63, 59495), (64, 59504),

Gene: ScoobyDoobyDoo_97 Start: 50692, Stop: 53040, Start Num: 2
Candidate Starts for ScoobyDoobyDoo_97:
(1, 50668), (Start: 2 @50692 has 1 MA's), (6, 50758), (8, 50809), (10, 50857), (11, 50920), (12, 50932), (15, 51127), (16, 51175), (17, 51187), (18, 51193), (20, 51295), (21, 51301), (22, 51352), (24, 51364), (27, 51514), (29, 51682), (32, 51880), (34, 51958), (35, 51970), (36, 51982), (37, 52105), (39, 52204), (40, 52240), (43, 52285), (45, 52339), (50, 52528), (53, 52573), (54, 52612), (56, 52678), (60, 52873), (61, 52882),

Gene: Skog_164 Start: 87940, Stop: 90042, Start Num: 5
Candidate Starts for Skog_164:
(4, 87931), (Start: 5 @87940 has 4 MA's), (7, 87955), (9, 88003), (13, 88159), (14, 88237), (19, 88405), (20, 88441), (23, 88501), (25, 88558), (26, 88654), (28, 88699), (30, 88885), (31, 88963), (32, 89041), (33, 89098), (36, 89143), (37, 89263), (38, 89299), (42, 89413), (46, 89494), (47, 89530), (48, 89539), (49, 89581), (51, 89635), (52, 89644), (54, 89704), (58, 89797), (59, 89860), (63, 90010), (64, 90019),