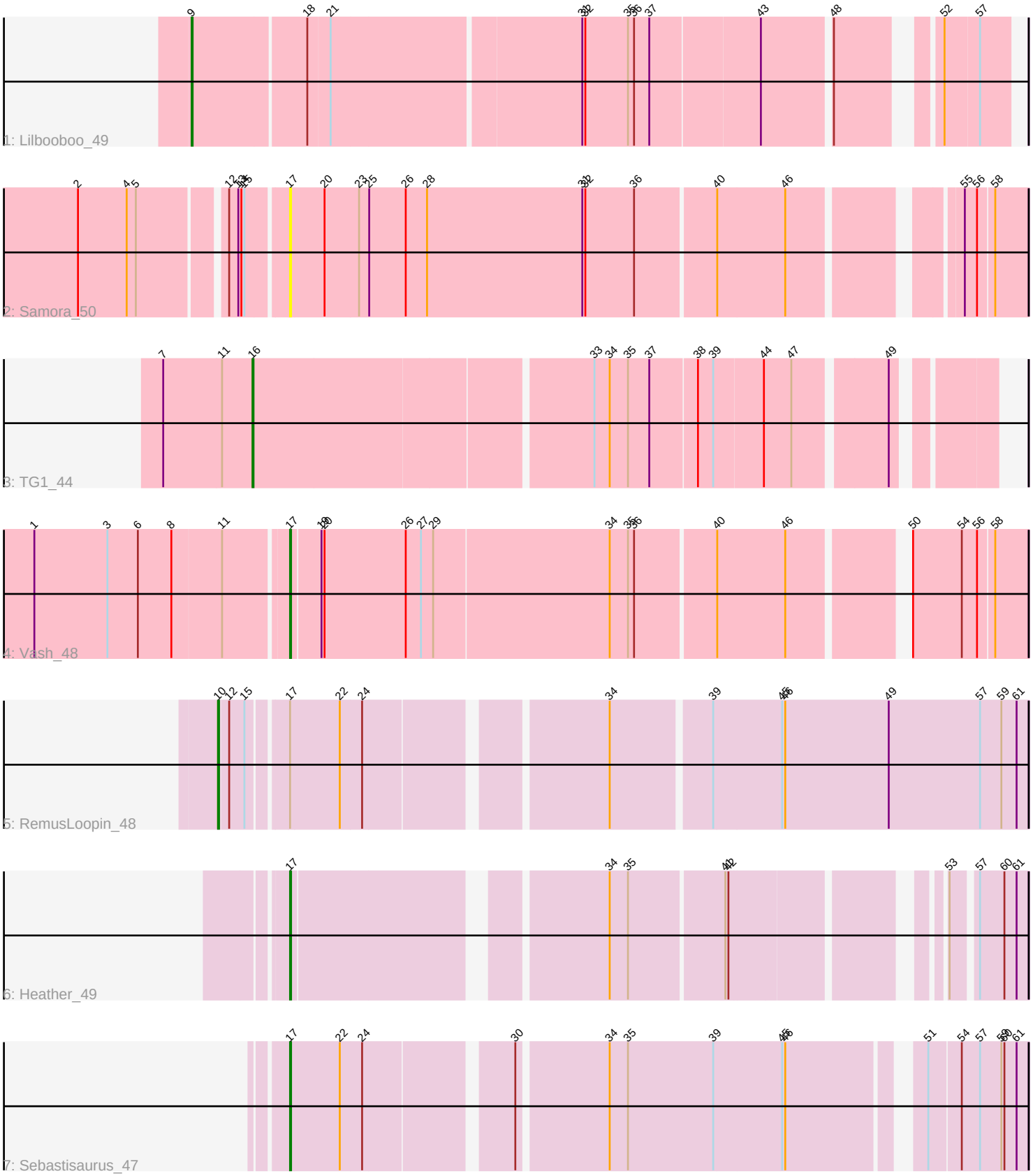
Pham 172055


1: Lilbooboo_49
2: Samora_50
3: TG1_44
4: Vash_48
5: RemusLoopin_48
6: Heather_49
7: Sebastisaurus_47

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 172055 Report

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

Pham number 172055 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lilbooboo_49
• Track 2 : Samora_50
• Track 3 : TG1_44
• Track 4 : Vash_48
• Track 5 : RemusLoopin_48
• Track 6 : Heather_49
• Track 7 : Sebastisaurus_47

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

The start number called the most often in the published annotations is 17, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Heather_49, Samora_50, Sebastisaurus_47, Vash_48,

Genes that have the "Most Annotated" start but do not call it:
• RemusLoopin_48,

Genes that do not have the "Most Annotated" start:
• Lilbooboo_49, TG1_44,

Summary by start number:

Start 9:
• Found in 1 of 7 (14.3%) 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: Lilbooboo_49 (BB1),

Start 10:
• Found in 1 of 7 (14.3%) 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: RemusLoopin_48 (BB2),

Start 16:
• Found in 1 of 7 (14.3%) 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: TG1_44 (BB1),

Start 17:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Heather_49 (BB2), Samora_50 (BB1), Sebastisaurus_47 (BB2), Vash_48 (BB1),

Summary by clusters:

There are 2 clusters represented in this pham: BB2, BB1,

Info for manual annotations of cluster BB1:
•Start number 9 was manually annotated 1 time for cluster BB1.
•Start number 16 was manually annotated 1 time for cluster BB1.
•Start number 17 was manually annotated 1 time for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 10 was manually annotated 1 time for cluster BB2.
•Start number 17 was manually annotated 2 times for cluster BB2.

Gene Information:

Gene: Heather_49 Start: 34748, Stop: 35374, Start Num: 17
Candidate Starts for Heather_49:
(Start: 17 @34748 has 3 MA's), (34, 35024), (35, 35042), (41, 35132), (42, 35135), (53, 35306), (57, 35327), (60, 35351), (61, 35363),

Gene: Lilbooboo_49 Start: 34926, Stop: 35666, Start Num: 9
Candidate Starts for Lilbooboo_49:
(Start: 9 @34926 has 1 MA's), (18, 35034), (21, 35055), (31, 35292), (32, 35295), (35, 35337), (36, 35343), (37, 35358), (43, 35463), (48, 35526), (52, 35604), (57, 35637),

Gene: RemusLoopin_48 Start: 35451, Stop: 36194, Start Num: 10
Candidate Starts for RemusLoopin_48:
(Start: 10 @35451 has 1 MA's), (12, 35460), (15, 35475), (Start: 17 @35508 has 3 MA's), (22, 35556), (24, 35577), (34, 35793), (39, 35886), (45, 35952), (46, 35955), (49, 36057), (57, 36147), (59, 36168), (61, 36183),

Gene: Samora_50 Start: 35797, Stop: 36474, Start Num: 17
Candidate Starts for Samora_50:
(2, 35611), (4, 35659), (5, 35668), (12, 35746), (13, 35755), (14, 35758), (15, 35761), (Start: 17 @35797 has 3 MA's), (20, 35830), (23, 35863), (25, 35872), (26, 35908), (28, 35929), (31, 36082), (32, 36085), (36, 36133), (40, 36208), (46, 36274), (55, 36415), (56, 36427), (58, 36442),

Gene: Sebastisaurus_47 Start: 35947, Stop: 36612, Start Num: 17
Candidate Starts for Sebastisaurus_47:
(Start: 17 @35947 has 3 MA's), (22, 35995), (24, 36016), (30, 36148), (34, 36232), (35, 36250), (39, 36334), (45, 36400), (46, 36403), (51, 36517), (54, 36547), (57, 36565), (59, 36586), (60, 36589), (61, 36601),

Gene: TG1_44 Start: 34263, Stop: 34940, Start Num: 16
Candidate Starts for TG1_44:
(7, 34176), (11, 34233), (Start: 16 @34263 has 1 MA's), (33, 34584), (34, 34599), (35, 34617), (37, 34638), (38, 34683), (39, 34698), (44, 34746), (47, 34773), (49, 34857),

Gene: Vash_48 Start: 34737, Stop: 35417, Start Num: 17
Candidate Starts for Vash_48:
(1, 34497), (3, 34569), (6, 34599), (8, 34632), (11, 34680), (Start: 17 @34737 has 3 MA's), (19, 34764), (20, 34767), (26, 34845), (27, 34860), (29, 34872), (34, 35043), (35, 35061), (36, 35067), (40, 35142), (46, 35208), (50, 35307), (54, 35355), (56, 35370), (58, 35385),