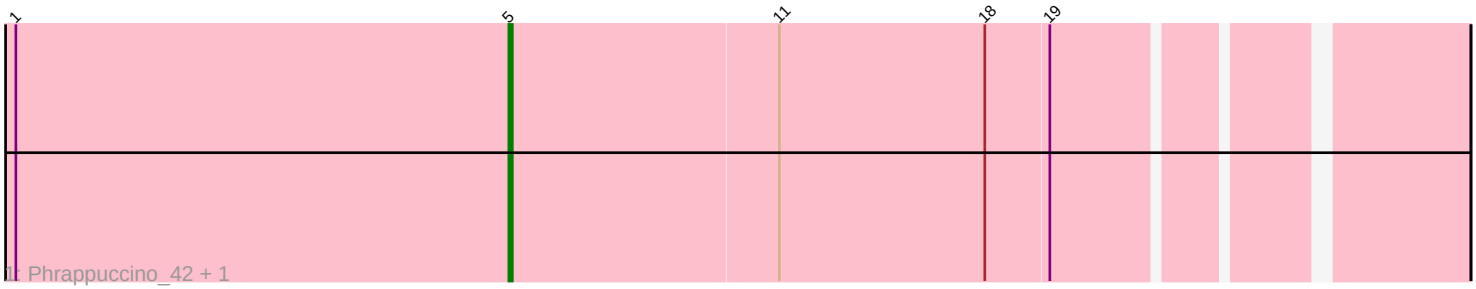
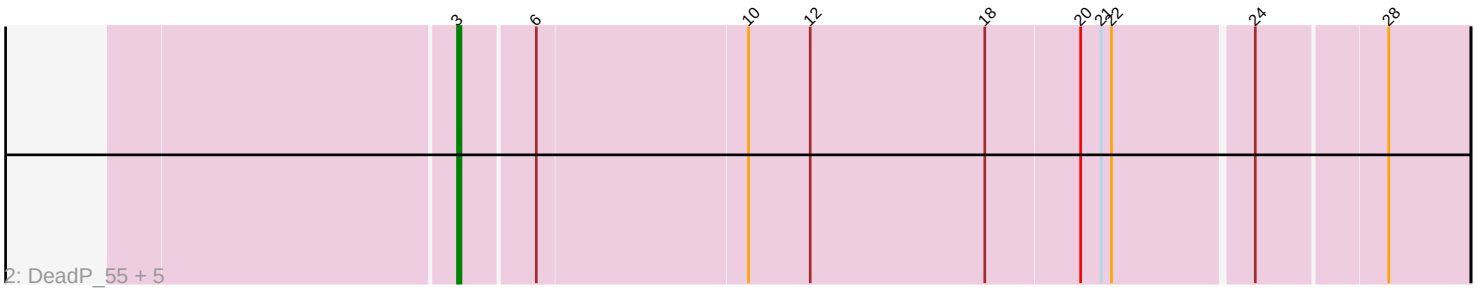
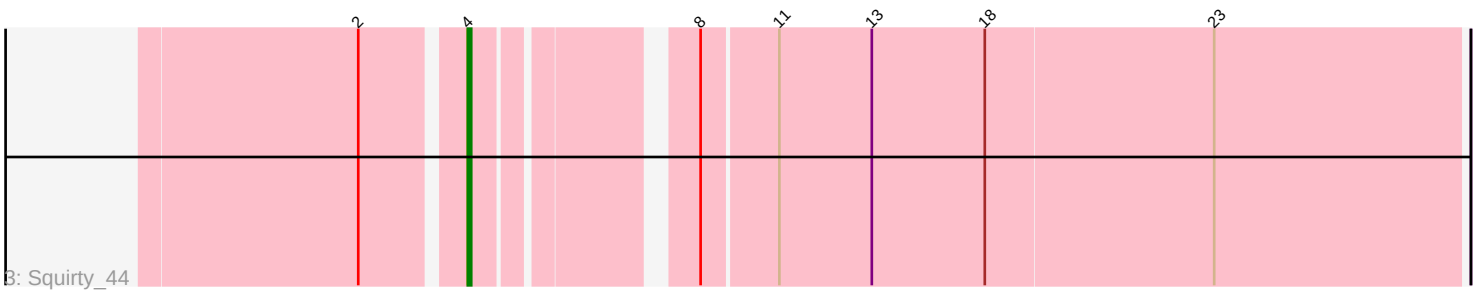
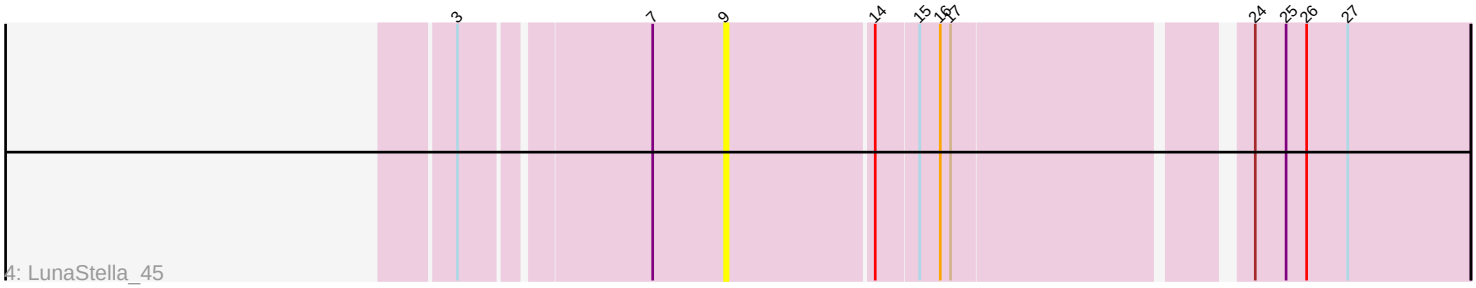
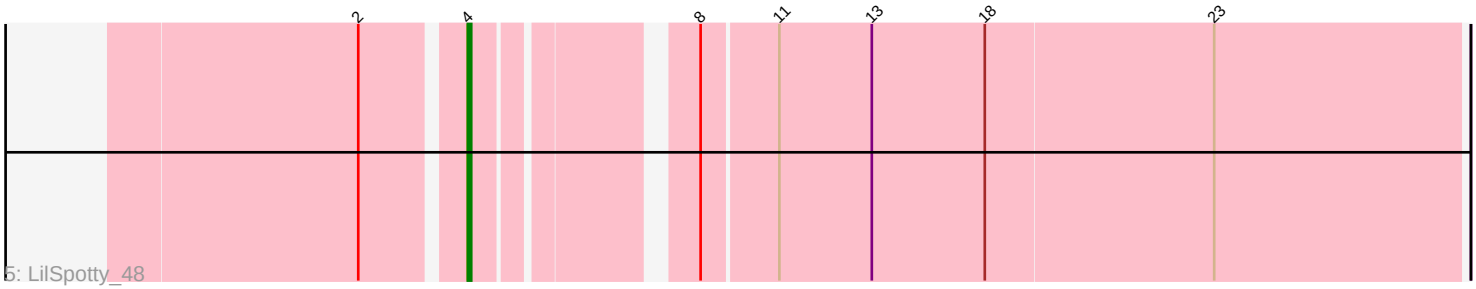
Pham 164080


1
5
11
18
19
1: Phrappuccino_42 + 1


3
6
10
12
18
20
21
22
24
28
2: DeadP_55 + 5


2
4
8
11
13
18
23
3: Squirty_44


3
7
9
14
15
16
17
24
25
26
27
4: LunaStella_45


2
4
8
11
13
18
23
5: LilSpotty_48

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 164080 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164080 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phrappuccino_42, Settecandela_42
• Track 2 : DeadP_55, Estave1_50, Renaud18_55, Blarby_61, Wee_52, Taj_53
• Track 3 : Squirty_44
• Track 4 : LunaStella_45
• Track 5 : LilSpotty_48

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blarby_61, DeadP_55, Estave1_50, Renaud18_55, Taj_53, Wee_52,

Genes that have the "Most Annotated" start but do not call it:
• LunaStella_45,

Genes that do not have the "Most Annotated" start:
• LilSpotty_48, Phrappuccino_42, Settecandela_42, Squirty_44,

Summary by start number:

Start 3:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Blarby_61 (F), DeadP_55 (F1), Estave1_50 (F1), Renaud18_55 (F4), Taj_53 (F1), Wee_52 (F1),

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: LilSpotty_48 (singleton), Squirty_44 (F3),

Start 5:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_42 (AA), Settecandela_42 (AA),

Start 9:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LunaStella_45 (F4),

Summary by clusters:

There are 6 clusters represented in this pham: AA, F1, singleton, F3, F4, F,

Info for manual annotations of cluster AA:
•Start number 5 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F3:
•Start number 4 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 3 was manually annotated 1 time for cluster F4.

Gene Information:

Gene: Blarby_61 Start: 37278, Stop: 37565, Start Num: 3
Candidate Starts for Blarby_61:
(Start: 3 @37278 has 5 MA's), (6, 37299), (10, 37359), (12, 37377), (18, 37428), (20, 37455), (21, 37461), (22, 37464), (24, 37506), (28, 37542),

Gene: DeadP_55 Start: 37934, Stop: 38218, Start Num: 3
Candidate Starts for DeadP_55:
(Start: 3 @37934 has 5 MA's), (6, 37955), (10, 38015), (12, 38033), (18, 38084), (20, 38111), (21, 38117), (22, 38120), (24, 38159), (28, 38195),

Gene: Estave1_50 Start: 36122, Stop: 36406, Start Num: 3
Candidate Starts for Estave1_50:
(Start: 3 @36122 has 5 MA's), (6, 36143), (10, 36203), (12, 36221), (18, 36272), (20, 36299), (21, 36305), (22, 36308), (24, 36347), (28, 36383),

Gene: LilSpotty_48 Start: 34139, Stop: 34411, Start Num: 4

Candidate Starts for LilSpotty_48:
(2, 34112), (Start: 4 @34139 has 2 MA's), (8, 34193), (11, 34214), (13, 34241), (18, 34274), (23, 34340),

Gene: LunaStella_45 Start: 35354, Stop: 35557, Start Num: 9
Candidate Starts for LunaStella_45:
(Start: 3 @35282 has 5 MA's), (7, 35333), (9, 35354), (14, 35396), (15, 35408), (16, 35414), (17, 35417), (24, 35495), (25, 35504), (26, 35510), (27, 35522),

Gene: Phrappuccino_42 Start: 23385, Stop: 23648, Start Num: 5
Candidate Starts for Phrappuccino_42:
(1, 23241), (Start: 5 @23385 has 2 MA's), (11, 23463), (18, 23523), (19, 23541),

Gene: Renaud18_55 Start: 37223, Stop: 37507, Start Num: 3
Candidate Starts for Renaud18_55:
(Start: 3 @37223 has 5 MA's), (6, 37244), (10, 37304), (12, 37322), (18, 37373), (20, 37400), (21, 37406), (22, 37409), (24, 37448), (28, 37484),

Gene: Settecandela_42 Start: 23385, Stop: 23648, Start Num: 5
Candidate Starts for Settecandela_42:
(1, 23241), (Start: 5 @23385 has 2 MA's), (11, 23463), (18, 23523), (19, 23541),

Gene: Squirty_44 Start: 33796, Stop: 34068, Start Num: 4
Candidate Starts for Squirty_44:
(2, 33769), (Start: 4 @33796 has 2 MA's), (8, 33850), (11, 33871), (13, 33898), (18, 33931), (23, 33997),

Gene: Taj_53 Start: 37144, Stop: 37428, Start Num: 3
Candidate Starts for Taj_53:
(Start: 3 @37144 has 5 MA's), (6, 37165), (10, 37225), (12, 37243), (18, 37294), (20, 37321), (21, 37327), (22, 37330), (24, 37369), (28, 37405),

Gene: Wee_52 Start: 37416, Stop: 37700, Start Num: 3
Candidate Starts for Wee_52:
(Start: 3 @37416 has 5 MA's), (6, 37437), (10, 37497), (12, 37515), (18, 37566), (20, 37593), (21, 37599), (22, 37602), (24, 37641), (28, 37677),