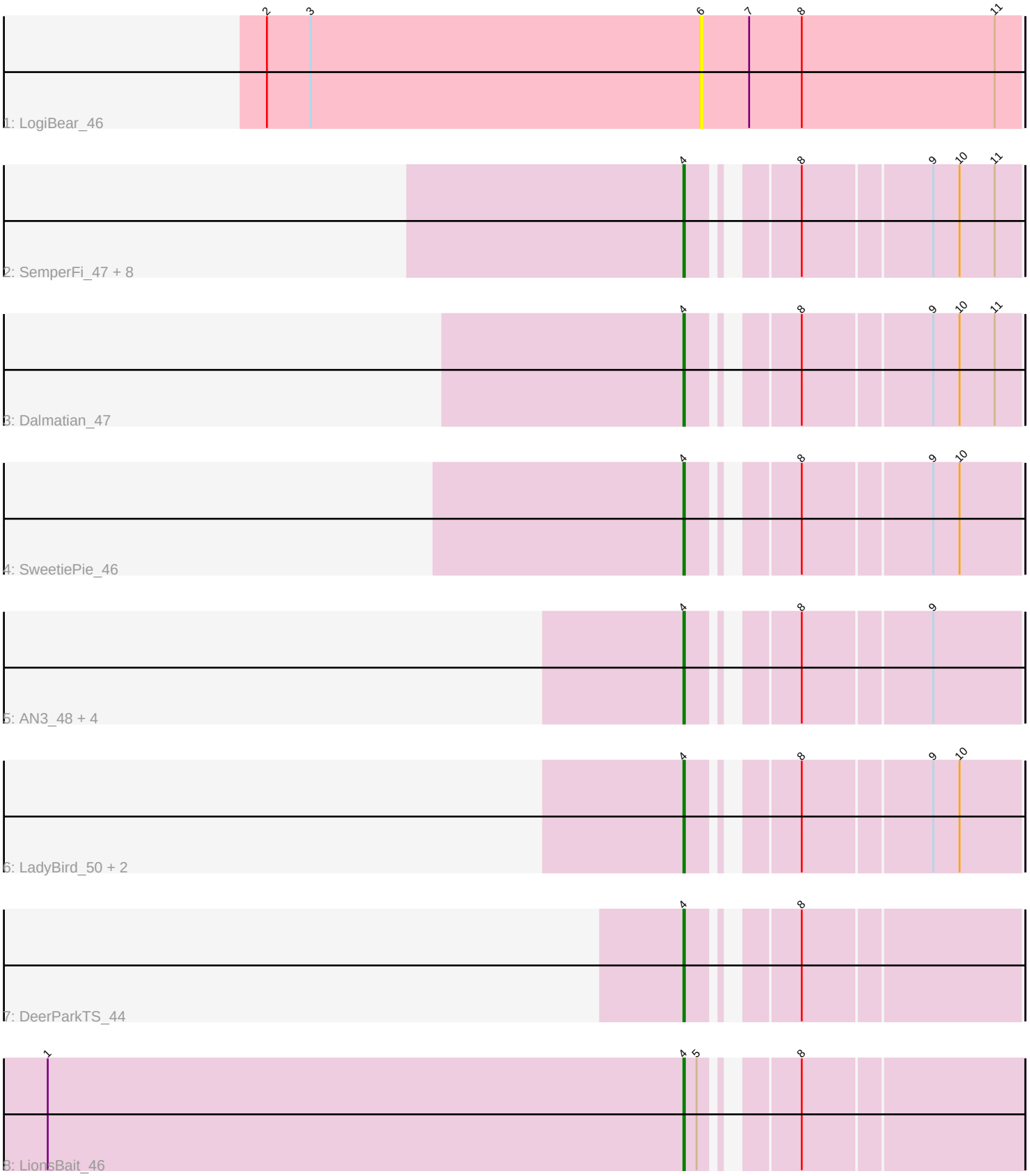
Pham 346152


2
3
6
7
8
11
1: LogiBear_46
4
8
9
10
11
2: SemperFi_47 + 8
4
8
9
10
11
3: Dalmatian_47
4
8
9
10
4: SweetiePie_46
4
8
9
5: AN3_48 + 4
4
8
9
10
6: LadyBird_50 + 2
4
8
7: DeerParkTS_44
1
4
5
8
8: LionsBait_46

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 346152 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346152 has 22 members, 4 are drafts.

Phages represented in each track:
• Track 1 : LogiBear_46
• Track 2 : SemperFi_47, Anselm_47, Crucio_46, Retro23_47, Power_45, Georgie2_47, FiringLine_46, SnapTap_46, QueenBeesly_46
• Track 3 : Dalmatian_47
• Track 4 : SweetiePie_46
• Track 5 : AN3_48, 20ES_48, VA6_46, CRB1_49, First_0047
• Track 6 : LadyBird_50, Deloris_46, BengiVuitton_47
• Track 7 : DeerParkTS_44
• Track 8 : LionsBait_46

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

The start number called the most often in the published annotations is 4, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_48, AN3_48, Anselm_47, BengiVuitton_47, CRB1_49, Crucio_46, Dalmatian_47, DeerParkTS_44, Deloris_46, FiringLine_46, First_0047, Georgie2_47, LadyBird_50, LionsBait_46, Power_45, QueenBeesly_46, Retro23_47, SemperFi_47, SnapTap_46, SweetiePie_46, VA6_46,

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

Genes that do not have the "Most Annotated" start:
• LogiBear_46,

Summary by start number:

Start 4:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: 20ES_48 (A2), AN3_48 (A2), Anselm_47 (A2), BengiVuitton_47 (A2), CRB1_49 (A2), Crucio_46 (A2), Dalmatian_47 (A2), DeerParkTS_44 (A2), Deloris_46 (A2), FiringLine_46 (A2), First_0047 (A2), Georgie2_47 (A2), LadyBird_50 (A2), LionsBait_46 (A2), Power_45 (A2), QueenBeesly_46 (A2), Retro23_47 (A2), SemperFi_47 (A2), SnapTap_46 (A2), SweetiePie_46 (A2), VA6_46 (A2),

Start 6:
• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LogiBear_46 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, A2,

Info for manual annotations of cluster A2:
•Start number 4 was manually annotated 18 times for cluster A2.

Gene Information:

Gene: 20ES_48 Start: 32013, Stop: 31813, Start Num: 4
Candidate Starts for 20ES_48:
(Start: 4 @32013 has 18 MA's), (8, 31956), (9, 31872),

Gene: AN3_48 Start: 32393, Stop: 32193, Start Num: 4
Candidate Starts for AN3_48:
(Start: 4 @32393 has 18 MA's), (8, 32336), (9, 32252),

Gene: Anselm_47 Start: 32110, Stop: 31910, Start Num: 4
Candidate Starts for Anselm_47:
(Start: 4 @32110 has 18 MA's), (8, 32053), (9, 31969), (10, 31951), (11, 31927),

Gene: BengiVuitton_47 Start: 31975, Stop: 31775, Start Num: 4
Candidate Starts for BengiVuitton_47:
(Start: 4 @31975 has 18 MA's), (8, 31918), (9, 31834), (10, 31816),

Gene: CRB1_49 Start: 32359, Stop: 32159, Start Num: 4
Candidate Starts for CRB1_49:
(Start: 4 @32359 has 18 MA's), (8, 32302), (9, 32218),

Gene: Crucio_46 Start: 31694, Stop: 31494, Start Num: 4
Candidate Starts for Crucio_46:
(Start: 4 @31694 has 18 MA's), (8, 31637), (9, 31553), (10, 31535), (11, 31511),

Gene: Dalmatian_47 Start: 32086, Stop: 31886, Start Num: 4
Candidate Starts for Dalmatian_47:
(Start: 4 @32086 has 18 MA's), (8, 32029), (9, 31945), (10, 31927), (11, 31903),

Gene: DeerParkTS_44 Start: 31227, Stop: 31027, Start Num: 4
Candidate Starts for DeerParkTS_44:
(Start: 4 @31227 has 18 MA's), (8, 31170),

Gene: Deloris_46 Start: 31644, Stop: 31444, Start Num: 4
Candidate Starts for Deloris_46:
(Start: 4 @31644 has 18 MA's), (8, 31587), (9, 31503), (10, 31485),

Gene: FiringLine_46 Start: 31675, Stop: 31475, Start Num: 4
Candidate Starts for FiringLine_46:
(Start: 4 @31675 has 18 MA's), (8, 31618), (9, 31534), (10, 31516), (11, 31492),

Gene: First_0047 Start: 31889, Stop: 31689, Start Num: 4
Candidate Starts for First_0047:
(Start: 4 @31889 has 18 MA's), (8, 31832), (9, 31748),

Gene: Georgie2_47 Start: 31720, Stop: 31520, Start Num: 4
Candidate Starts for Georgie2_47:
(Start: 4 @31720 has 18 MA's), (8, 31663), (9, 31579), (10, 31561), (11, 31537),

Gene: LadyBird_50 Start: 32324, Stop: 32124, Start Num: 4
Candidate Starts for LadyBird_50:
(Start: 4 @32324 has 18 MA's), (8, 32267), (9, 32183), (10, 32165),

Gene: LionsBait_46 Start: 33226, Stop: 33023, Start Num: 4
Candidate Starts for LionsBait_46:
(1, 33661), (Start: 4 @33226 has 18 MA's), (5, 33217), (8, 33169),

Gene: LogiBear_46 Start: 29972, Stop: 29754, Start Num: 6
Candidate Starts for LogiBear_46:
(2, 30269), (3, 30239), (6, 29972), (7, 29939), (8, 29903), (11, 29771),

Gene: Power_45 Start: 31728, Stop: 31528, Start Num: 4
Candidate Starts for Power_45:
(Start: 4 @31728 has 18 MA's), (8, 31671), (9, 31587), (10, 31569), (11, 31545),

Gene: QueenBeesly_46 Start: 31675, Stop: 31475, Start Num: 4
Candidate Starts for QueenBeesly_46:
(Start: 4 @31675 has 18 MA's), (8, 31618), (9, 31534), (10, 31516), (11, 31492),

Gene: Retro23_47 Start: 32082, Stop: 31882, Start Num: 4
Candidate Starts for Retro23_47:
(Start: 4 @32082 has 18 MA's), (8, 32025), (9, 31941), (10, 31923), (11, 31899),

Gene: SemperFi_47 Start: 31943, Stop: 31743, Start Num: 4
Candidate Starts for SemperFi_47:
(Start: 4 @31943 has 18 MA's), (8, 31886), (9, 31802), (10, 31784), (11, 31760),

Gene: SnapTap_46 Start: 31754, Stop: 31554, Start Num: 4
Candidate Starts for SnapTap_46:
(Start: 4 @31754 has 18 MA's), (8, 31697), (9, 31613), (10, 31595), (11, 31571),

Gene: SweetiePie_46 Start: 31883, Stop: 31683, Start Num: 4

Candidate Starts for SweetiePie_46:
(Start: 4 @31883 has 18 MA's), (8, 31826), (9, 31742), (10, 31724),

Gene: VA6_46 Start: 31867, Stop: 31667, Start Num: 4
Candidate Starts for VA6_46:
(Start: 4 @31867 has 18 MA's), (8, 31810), (9, 31726),