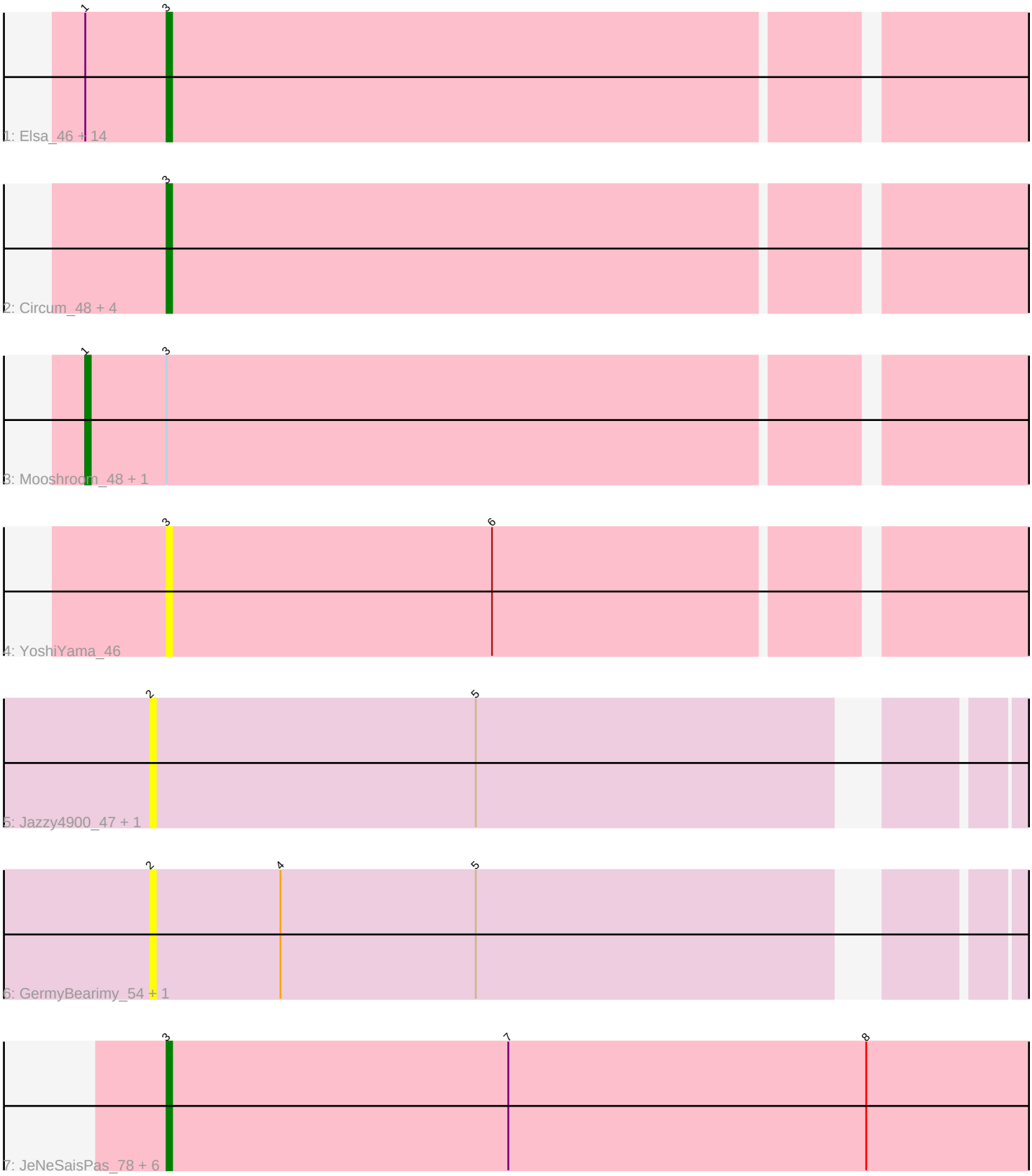
Pham 347870


1
3
1: Elsa_46 + 14
3
2: Circum_48 + 4
1
3
3: Mooshroom_48 + 1
3
6
4: YoshiYama_46
2
5
5: Jazzy4900_47 + 1
2
4
5
6: GermyBearimy_54 + 1
3
7
8
7: JeNeSaisPas_78 + 6

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 347870 Report

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

Pham number 347870 has 34 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Elsa_46, Xenomorph_42, KeaneyLin_45, Arcadia_46, Tribby_46, GoCrazy_45, NapoleonB_46, Correa_44, Cheesy_46, Nason_46, Stardom_43, Benllo_45, Dynamite_46, Kardesai_47, Hankly_45
• Track 2 : Circum_48, Mudcat_43, Bowling_46, JEGGS_45, Heisenberger_45
• Track 3 : Mooshroom_48, BenitoAntonio_46
• Track 4 : YoshiYama_46
• Track 5 : Jazzy4900_47, Sunny4976_46
• Track 6 : GermyBearimy_54, Arzan_48
• Track 7 : JeNeSaisPas_78, Qui_83, Elver_81, Gandionco_79, Marianna39_81, Kureo_82, Paella_83

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 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_46, Benllo_45, Bowling_46, Cheesy_46, Circum_48, Correa_44, Dynamite_46, Elsa_46, Elver_81, Gandionco_79, GoCrazy_45, Hankly_45, Heisenberger_45, JEGGS_45, JeNeSaisPas_78, Kardesai_47, KeaneyLin_45, Kureo_82, Marianna39_81, Mudcat_43, NapoleonB_46, Nason_46, Paella_83, Qui_83, Stardom_43, Tribby_46, Xenomorph_42, YoshiYama_46,

Genes that have the "Most Annotated" start but do not call it:
• BenitoAntonio_46, Mooshroom_48,

Genes that do not have the "Most Annotated" start:
• Arzan_48, GermyBearimy_54, Jazzy4900_47, Sunny4976_46,

Summary by start number:

Start 1:
• Found in 17 of 34 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 25

• Called 11.8% of time when present
• Phage (with cluster) where this start called: BenitoAntonio_46 (AM), Mooshroom_48 (AM),

Start 2:
• Found in 4 of 34 (11.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arzan_48 (FI), GermyBearimy_54 (FI), Jazzy4900_47 (FI), Sunny4976_46 (FI),

Start 3:
• Found in 30 of 34 (88.2%) of genes in pham
• Manual Annotations of this start: 23 of 25
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Arcadia_46 (AM), Benllo_45 (AM), Bowling_46 (AM), Cheesy_46 (AM), Circum_48 (AM), Correa_44 (AM), Dynamite_46 (AM), Elsa_46 (AM), Elver_81 (FK), Gandionco_79 (FK), GoCrazy_45 (AM), Hankly_45 (AM), Heisenberger_45 (AM), JEGGS_45 (AM), JeNeSaisPas_78 (FK), Kardesai_47 (AM), KeaneyLin_45 (AM), Kureo_82 (FK), Marianna39_81 (FK), Mudcat_43 (AM), NapoleonB_46 (AM), Nason_46 (AM), Paella_83 (FK), Qui_83 (FK), Stardom_43 (AM), Tribby_46 (AM), Xenomorph_42 (AM), YoshiYama_46 (AM),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AM,

Info for manual annotations of cluster AM:
•Start number 1 was manually annotated 2 times for cluster AM.
•Start number 3 was manually annotated 19 times for cluster AM.

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

Gene Information:

Gene: Arcadia_46 Start: 31207, Stop: 31410, Start Num: 3
Candidate Starts for Arcadia_46:
(Start: 1 @31192 has 2 MA's), (Start: 3 @31207 has 23 MA's),

Gene: Arzan_48 Start: 32418, Stop: 32612, Start Num: 2
Candidate Starts for Arzan_48:
(2, 32418), (4, 32442), (5, 32478),

Gene: BenitoAntonio_46 Start: 30769, Stop: 30978, Start Num: 1
Candidate Starts for BenitoAntonio_46:
(Start: 1 @30769 has 2 MA's), (Start: 3 @30784 has 23 MA's),

Gene: Benllo_45 Start: 31468, Stop: 31662, Start Num: 3
Candidate Starts for Benllo_45:

(Start: 1 @31453 has 2 MA's), (Start: 3 @31468 has 23 MA's),

Gene: Bowling_46 Start: 30980, Stop: 31183, Start Num: 3
Candidate Starts for Bowling_46:
(Start: 3 @30980 has 23 MA's),

Gene: Cheesy_46 Start: 30905, Stop: 31099, Start Num: 3
Candidate Starts for Cheesy_46:
(Start: 1 @30890 has 2 MA's), (Start: 3 @30905 has 23 MA's),

Gene: Circum_48 Start: 31618, Stop: 31821, Start Num: 3
Candidate Starts for Circum_48:
(Start: 3 @31618 has 23 MA's),

Gene: Correa_44 Start: 30090, Stop: 30284, Start Num: 3
Candidate Starts for Correa_44:
(Start: 1 @30075 has 2 MA's), (Start: 3 @30090 has 23 MA's),

Gene: Dynamite_46 Start: 31170, Stop: 31373, Start Num: 3
Candidate Starts for Dynamite_46:
(Start: 1 @31155 has 2 MA's), (Start: 3 @31170 has 23 MA's),

Gene: Elsa_46 Start: 31207, Stop: 31410, Start Num: 3
Candidate Starts for Elsa_46:
(Start: 1 @31192 has 2 MA's), (Start: 3 @31207 has 23 MA's),

Gene: Elver_81 Start: 49310, Stop: 49537, Start Num: 3
Candidate Starts for Elver_81:
(Start: 3 @49310 has 23 MA's), (7, 49373), (8, 49439),

Gene: Gandionco_79 Start: 48455, Stop: 48682, Start Num: 3
Candidate Starts for Gandionco_79:
(Start: 3 @48455 has 23 MA's), (7, 48518), (8, 48584),

Gene: GermyBearimy_54 Start: 33795, Stop: 33989, Start Num: 2
Candidate Starts for GermyBearimy_54:
(2, 33795), (4, 33819), (5, 33855),

Gene: GoCrazy_45 Start: 31096, Stop: 31290, Start Num: 3
Candidate Starts for GoCrazy_45:
(Start: 1 @31081 has 2 MA's), (Start: 3 @31096 has 23 MA's),

Gene: Hankly_45 Start: 30397, Stop: 30591, Start Num: 3
Candidate Starts for Hankly_45:
(Start: 1 @30382 has 2 MA's), (Start: 3 @30397 has 23 MA's),

Gene: Heisenberger_45 Start: 30648, Stop: 30851, Start Num: 3
Candidate Starts for Heisenberger_45:
(Start: 3 @30648 has 23 MA's),

Gene: JEGGS_45 Start: 30702, Stop: 30905, Start Num: 3
Candidate Starts for JEGGS_45:
(Start: 3 @30702 has 23 MA's),

Gene: Jazzy4900_47 Start: 33250, Stop: 33444, Start Num: 2
Candidate Starts for Jazzy4900_47:
(2, 33250), (5, 33310),

Gene: JeNeSaisPas_78 Start: 49036, Stop: 49263, Start Num: 3
Candidate Starts for JeNeSaisPas_78:
(Start: 3 @49036 has 23 MA's), (7, 49099), (8, 49165),

Gene: Kardesai_47 Start: 31368, Stop: 31562, Start Num: 3
Candidate Starts for Kardesai_47:
(Start: 1 @31353 has 2 MA's), (Start: 3 @31368 has 23 MA's),

Gene: KeaneyLin_45 Start: 31096, Stop: 31290, Start Num: 3
Candidate Starts for KeaneyLin_45:
(Start: 1 @31081 has 2 MA's), (Start: 3 @31096 has 23 MA's),

Gene: Kureo_82 Start: 48608, Stop: 48835, Start Num: 3
Candidate Starts for Kureo_82:
(Start: 3 @48608 has 23 MA's), (7, 48671), (8, 48737),

Gene: Marianna39_81 Start: 49030, Stop: 49257, Start Num: 3
Candidate Starts for Marianna39_81:
(Start: 3 @49030 has 23 MA's), (7, 49093), (8, 49159),

Gene: Mooshroom_48 Start: 31353, Stop: 31562, Start Num: 1
Candidate Starts for Mooshroom_48:
(Start: 1 @31353 has 2 MA's), (Start: 3 @31368 has 23 MA's),

Gene: Mudcat_43 Start: 32061, Stop: 32264, Start Num: 3
Candidate Starts for Mudcat_43:
(Start: 3 @32061 has 23 MA's),

Gene: NapoleonB_46 Start: 31170, Stop: 31373, Start Num: 3
Candidate Starts for NapoleonB_46:
(Start: 1 @31155 has 2 MA's), (Start: 3 @31170 has 23 MA's),

Gene: Nason_46 Start: 31207, Stop: 31410, Start Num: 3
Candidate Starts for Nason_46:
(Start: 1 @31192 has 2 MA's), (Start: 3 @31207 has 23 MA's),

Gene: Paella_83 Start: 49903, Stop: 50130, Start Num: 3
Candidate Starts for Paella_83:
(Start: 3 @49903 has 23 MA's), (7, 49966), (8, 50032),

Gene: Qui_83 Start: 49903, Stop: 50130, Start Num: 3
Candidate Starts for Qui_83:
(Start: 3 @49903 has 23 MA's), (7, 49966), (8, 50032),

Gene: Stardom_43 Start: 29832, Stop: 30026, Start Num: 3
Candidate Starts for Stardom_43:
(Start: 1 @29817 has 2 MA's), (Start: 3 @29832 has 23 MA's),

Gene: Sunny4976_46 Start: 33250, Stop: 33444, Start Num: 2
Candidate Starts for Sunny4976_46:
(2, 33250), (5, 33310),

Gene: Tribby_46 Start: 30923, Stop: 31117, Start Num: 3
Candidate Starts for Tribby_46:
(Start: 1 @30908 has 2 MA's), (Start: 3 @30923 has 23 MA's),

Gene: Xenomorph_42 Start: 30634, Stop: 30828, Start Num: 3
Candidate Starts for Xenomorph_42:
(Start: 1 @30619 has 2 MA's), (Start: 3 @30634 has 23 MA's),

Gene: YoshiYama_46 Start: 31202, Stop: 31405, Start Num: 3
Candidate Starts for YoshiYama_46:
(Start: 3 @31202 has 23 MA's), (6, 31262),