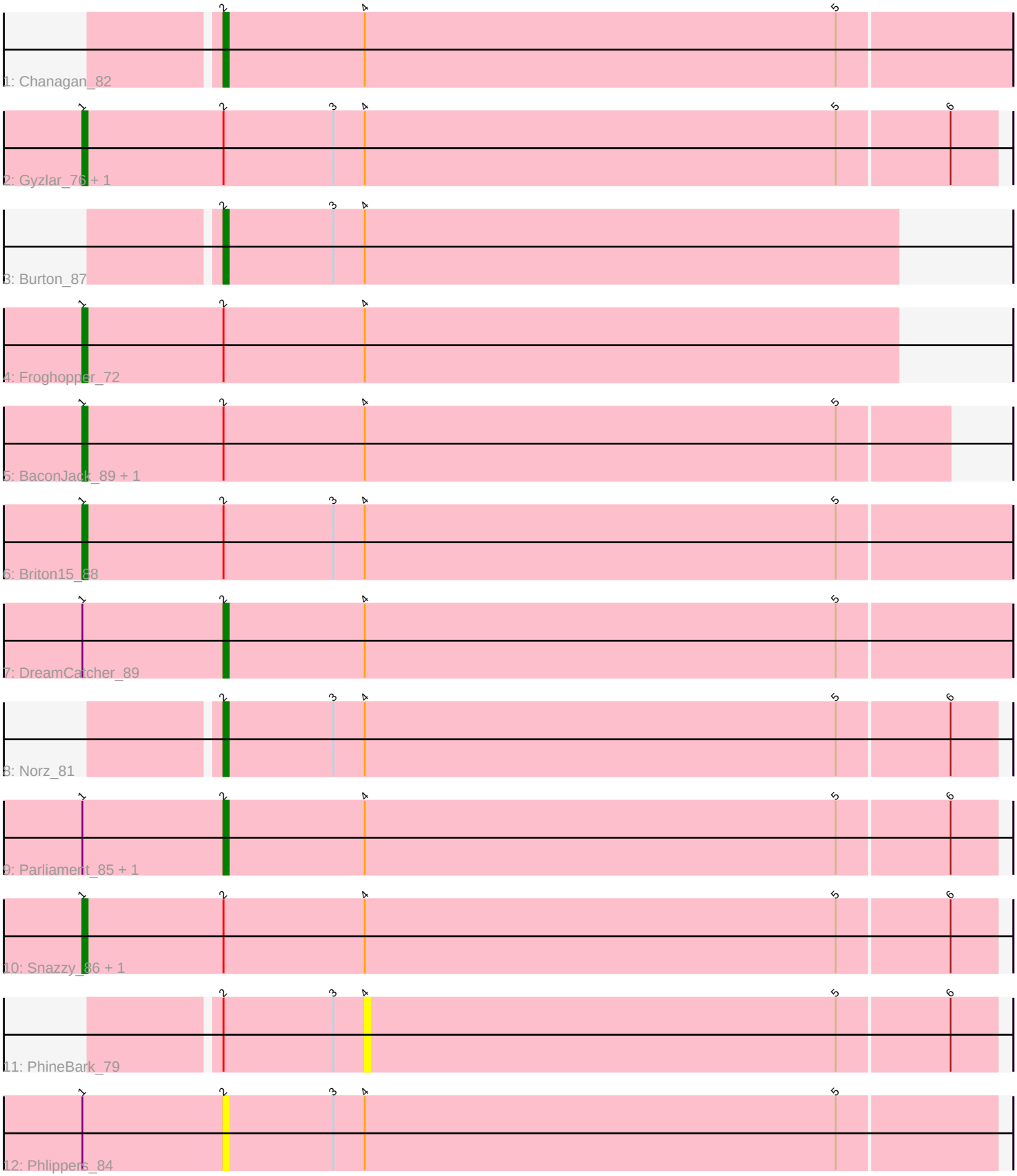
Pham 224964


1: Chanagan_82
2: Gyzlar_76 + 1
3: Burton_87
4: Froghopper_72
5: BaconJack_89 + 1
6: Briton15_88
7: DreamCatcher_89
8: Norz_81
9: Parliament_85 + 1
10: Snazzy_86 + 1
11: PhineBark_79
12: Phlippers_84

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 224964 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224964 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Chanagan_82
• Track 2 : Gyzlar_76, Dynamix_84
• Track 3 : Burton_87
• Track 4 : Froghopper_72
• Track 5 : BaconJack_89, Sibs6_88
• Track 6 : Briton15_88
• Track 7 : DreamCatcher_89
• Track 8 : Norz_81
• Track 9 : Parliament_85, Lamina13_87
• Track 10 : Snazzy_86, KyMonks1A_91
• Track 11 : PhineBark_79
• Track 12 : Phlippers_84

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconJack_89, Briton15_88, Dynamix_84, Froghopper_72, Gyzlar_76, KyMonks1A_91, Sibs6_88, Snazzy_86,

Genes that have the "Most Annotated" start but do not call it:
• DreamCatcher_89, Lamina13_87, Parliament_85, Phlippers_84,

Genes that do not have the "Most Annotated" start:
• Burton_87, Chanagan_82, Norz_81, PhineBark_79,

Summary by start number:

Start 1:
• Found in 12 of 16 (75.0%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 66.7% of time when present

• Phage (with cluster) where this start called: BaconJack_89 (A1), Briton15_88 (A1), Dynamix_84 (A1), Froghopper_72 (A1), Gyzlar_76 (A1), KyMonks1A_91 (A1), Sibs6_88 (A1), Snazzy_86 (A1),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 43.8% of time when present
• Phage (with cluster) where this start called: Burton_87 (A1), Chanagan_82 (A1), DreamCatcher_89 (A1), Lamina13_87 (A1), Norz_81 (A1), Parliament_85 (A1), Phlippers_84 (A1),

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 6.2% of time when present
• Phage (with cluster) where this start called: PhineBark_79 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 8 times for cluster A1.
•Start number 2 was manually annotated 6 times for cluster A1.

Gene Information:

Gene: BaconJack_89 Start: 51009, Stop: 50845, Start Num: 1
Candidate Starts for BaconJack_89:
(Start: 1 @51009 has 8 MA's), (Start: 2 @50982 has 6 MA's), (4, 50955), (5, 50865),

Gene: Briton15_88 Start: 49944, Stop: 49768, Start Num: 1
Candidate Starts for Briton15_88:
(Start: 1 @49944 has 8 MA's), (Start: 2 @49917 has 6 MA's), (3, 49896), (4, 49890), (5, 49800),

Gene: Burton_87 Start: 51034, Stop: 50906, Start Num: 2
Candidate Starts for Burton_87:
(Start: 2 @51034 has 6 MA's), (3, 51013), (4, 51007),

Gene: Chanagan_82 Start: 47023, Stop: 46874, Start Num: 2
Candidate Starts for Chanagan_82:
(Start: 2 @47023 has 6 MA's), (4, 46996), (5, 46906),

Gene: DreamCatcher_89 Start: 49533, Stop: 49384, Start Num: 2
Candidate Starts for DreamCatcher_89:
(Start: 1 @49560 has 8 MA's), (Start: 2 @49533 has 6 MA's), (4, 49506), (5, 49416),

Gene: Dynamix_84 Start: 47288, Stop: 47115, Start Num: 1
Candidate Starts for Dynamix_84:

(Start: 1 @47288 has 8 MA's), (Start: 2 @47261 has 6 MA's), (3, 47240), (4, 47234), (5, 47144), (6, 47123),

Gene: Froghopper_72 Start: 45039, Stop: 44884, Start Num: 1
Candidate Starts for Froghopper_72:
(Start: 1 @45039 has 8 MA's), (Start: 2 @45012 has 6 MA's), (4, 44985),

Gene: Gyzlar_76 Start: 45083, Stop: 44910, Start Num: 1
Candidate Starts for Gyzlar_76:
(Start: 1 @45083 has 8 MA's), (Start: 2 @45056 has 6 MA's), (3, 45035), (4, 45029), (5, 44939), (6, 44918),

Gene: KyMonks1A_91 Start: 49829, Stop: 49656, Start Num: 1
Candidate Starts for KyMonks1A_91:
(Start: 1 @49829 has 8 MA's), (Start: 2 @49802 has 6 MA's), (4, 49775), (5, 49685), (6, 49664),

Gene: Lamina13_87 Start: 50524, Stop: 50378, Start Num: 2
Candidate Starts for Lamina13_87:
(Start: 1 @50551 has 8 MA's), (Start: 2 @50524 has 6 MA's), (4, 50497), (5, 50407), (6, 50386),

Gene: Norz_81 Start: 50898, Stop: 50752, Start Num: 2
Candidate Starts for Norz_81:
(Start: 2 @50898 has 6 MA's), (3, 50877), (4, 50871), (5, 50781), (6, 50760),

Gene: Parliament_85 Start: 51007, Stop: 50861, Start Num: 2
Candidate Starts for Parliament_85:
(Start: 1 @51034 has 8 MA's), (Start: 2 @51007 has 6 MA's), (4, 50980), (5, 50890), (6, 50869),

Gene: PhineBark_79 Start: 47359, Stop: 47240, Start Num: 4
Candidate Starts for PhineBark_79:
(Start: 2 @47386 has 6 MA's), (3, 47365), (4, 47359), (5, 47269), (6, 47248),

Gene: Phlippers_84 Start: 50146, Stop: 50000, Start Num: 2
Candidate Starts for Phlippers_84:
(Start: 1 @50173 has 8 MA's), (Start: 2 @50146 has 6 MA's), (3, 50125), (4, 50119), (5, 50029),

Gene: Sibs6_88 Start: 46921, Stop: 46757, Start Num: 1
Candidate Starts for Sibs6_88:
(Start: 1 @46921 has 8 MA's), (Start: 2 @46894 has 6 MA's), (4, 46867), (5, 46777),

Gene: Snazzy_86 Start: 49312, Stop: 49139, Start Num: 1
Candidate Starts for Snazzy_86:
(Start: 1 @49312 has 8 MA's), (Start: 2 @49285 has 6 MA's), (4, 49258), (5, 49168), (6, 49147),