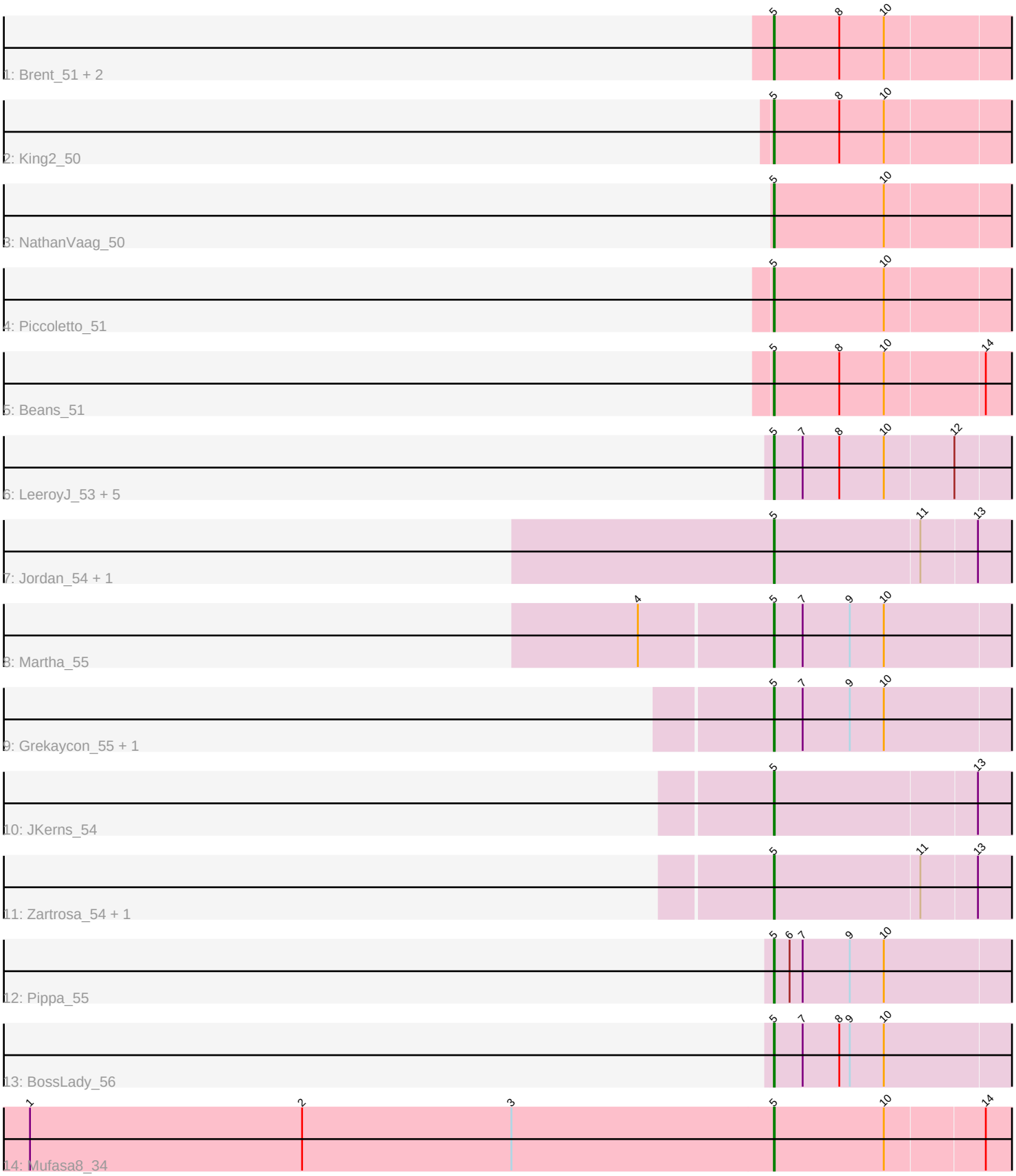
Pham 346104


1: Brent_51 + 2
2: King2_50
3: NathanVaag_50
4: Piccoletto_51
5: Beans_51
6: LeeroyJ_53 + 5
7: Jordan_54 + 1
8: Martha_55
9: Grekaycon_55 + 1
10: JKerns_54
11: Zartrosa_54 + 1
12: Pippa_55
13: BossLady_56
14: Mufasa8_34

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 346104 Report

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

Pham number 346104 has 24 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Brent_51, Jawnski_50, Franzy_51
• Track 2 : King2_50
• Track 3 : NathanVaag_50
• Track 4 : Piccoletto_51
• Track 5 : Beans_51
• Track 6 : LeeroyJ_53, GravityBall_54, StevieBAY_54, BigDome_54, Timinator_54, BarretLemon_53
• Track 7 : Jordan_54, Shade_54
• Track 8 : Martha_55
• Track 9 : Grekaycon_55, TaeYoung_56
• Track 10 : JKerns_54
• Track 11 : Zartrosa_54, Sonny_53
• Track 12 : Pippa_55
• Track 13 : BossLady_56
• Track 14 : Mufasa8_34

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarretLemon_53, Beans_51, BigDome_54, BossLady_56, Brent_51, Franzy_51, GravityBall_54, Grekaycon_55, JKerns_54, Jawnski_50, Jordan_54, King2_50, LeeroyJ_53, Martha_55, Mufasa8_34, NathanVaag_50, Piccoletto_51, Pippa_55, Shade_54, Sonny_53, StevieBAY_54, TaeYoung_56, Timinator_54, Zartrosa_54,

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

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

Summary by start number:

Start 5:
• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_53 (AO2), Beans_51 (AO1), BigDome_54 (AO2), BossLady_56 (AO2), Brent_51 (AO1), Franzy_51 (AO1), GravityBall_54 (AO2), Grekaycon_55 (AO2), JKerns_54 (AO2), Jawnski_50 (AO1), Jordan_54 (AO2), King2_50 (AO1), LeeroyJ_53 (AO2), Martha_55 (AO2), Mufasa8_34 (FG), NathanVaag_50 (AO1), Piccoletto_51 (AO1), Pippa_55 (AO2), Shade_54 (AO2), Sonny_53 (AO2), StevieBAY_54 (AO2), TaeYoung_56 (AO2), Timinator_54 (AO2), Zartrosa_54 (AO2),

Summary by clusters:

There are 3 clusters represented in this pham: AO2, AO1, FG,

Info for manual annotations of cluster AO1:
•Start number 5 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 5 was manually annotated 16 times for cluster AO2.

Info for manual annotations of cluster FG:
•Start number 5 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: BarretLemon_53 Start: 38160, Stop: 38453, Start Num: 5
Candidate Starts for BarretLemon_53:
(Start: 5 @38160 has 24 MA's), (7, 38193), (8, 38235), (10, 38286), (12, 38364),

Gene: Beans_51 Start: 38051, Stop: 38344, Start Num: 5
Candidate Starts for Beans_51:
(Start: 5 @38051 has 24 MA's), (8, 38126), (10, 38177), (14, 38288),

Gene: BigDome_54 Start: 38543, Stop: 38836, Start Num: 5
Candidate Starts for BigDome_54:
(Start: 5 @38543 has 24 MA's), (7, 38576), (8, 38618), (10, 38669), (12, 38747),

Gene: BossLady_56 Start: 38814, Stop: 39116, Start Num: 5
Candidate Starts for BossLady_56:
(Start: 5 @38814 has 24 MA's), (7, 38847), (8, 38889), (9, 38901), (10, 38940),

Gene: Brent_51 Start: 38336, Stop: 38629, Start Num: 5
Candidate Starts for Brent_51:
(Start: 5 @38336 has 24 MA's), (8, 38411), (10, 38462),

Gene: Franzy_51 Start: 38352, Stop: 38645, Start Num: 5
Candidate Starts for Franzy_51:
(Start: 5 @38352 has 24 MA's), (8, 38427), (10, 38478),

Gene: GravityBall_54 Start: 38611, Stop: 38904, Start Num: 5
Candidate Starts for GravityBall_54:
(Start: 5 @38611 has 24 MA's), (7, 38644), (8, 38686), (10, 38737), (12, 38815),

Gene: Grekaycon_55 Start: 38694, Stop: 38996, Start Num: 5
Candidate Starts for Grekaycon_55:
(Start: 5 @38694 has 24 MA's), (7, 38727), (9, 38781), (10, 38820),

Gene: JKerns_54 Start: 38768, Stop: 39061, Start Num: 5
Candidate Starts for JKerns_54:
(Start: 5 @38768 has 24 MA's), (13, 38996),

Gene: Jawnski_50 Start: 37861, Stop: 38154, Start Num: 5
Candidate Starts for Jawnski_50:
(Start: 5 @37861 has 24 MA's), (8, 37936), (10, 37987),

Gene: Jordan_54 Start: 38577, Stop: 38870, Start Num: 5
Candidate Starts for Jordan_54:
(Start: 5 @38577 has 24 MA's), (11, 38742), (13, 38805),

Gene: King2_50 Start: 38240, Stop: 38533, Start Num: 5
Candidate Starts for King2_50:
(Start: 5 @38240 has 24 MA's), (8, 38315), (10, 38366),

Gene: LeeroyJ_53 Start: 38189, Stop: 38482, Start Num: 5
Candidate Starts for LeeroyJ_53:
(Start: 5 @38189 has 24 MA's), (7, 38222), (8, 38264), (10, 38315), (12, 38393),

Gene: Martha_55 Start: 38796, Stop: 39098, Start Num: 5
Candidate Starts for Martha_55:
(4, 38646), (Start: 5 @38796 has 24 MA's), (7, 38829), (9, 38883), (10, 38922),

Gene: Mufasa8_34 Start: 28999, Stop: 28703, Start Num: 5
Candidate Starts for Mufasa8_34:
(1, 29851), (2, 29539), (3, 29299), (Start: 5 @28999 has 24 MA's), (10, 28873), (14, 28762),

Gene: NathanVaag_50 Start: 37875, Stop: 38168, Start Num: 5
Candidate Starts for NathanVaag_50:
(Start: 5 @37875 has 24 MA's), (10, 38001),

Gene: Piccoletto_51 Start: 38068, Stop: 38361, Start Num: 5
Candidate Starts for Piccoletto_51:
(Start: 5 @38068 has 24 MA's), (10, 38194),

Gene: Pippa_55 Start: 38701, Stop: 39003, Start Num: 5
Candidate Starts for Pippa_55:
(Start: 5 @38701 has 24 MA's), (6, 38719), (7, 38734), (9, 38788), (10, 38827),

Gene: Shade_54 Start: 38502, Stop: 38795, Start Num: 5
Candidate Starts for Shade_54:
(Start: 5 @38502 has 24 MA's), (11, 38667), (13, 38730),

Gene: Sonny_53 Start: 38246, Stop: 38539, Start Num: 5
Candidate Starts for Sonny_53:
(Start: 5 @38246 has 24 MA's), (11, 38411), (13, 38474),

Gene: StevieBAY_54 Start: 38608, Stop: 38901, Start Num: 5
Candidate Starts for StevieBAY_54:
(Start: 5 @38608 has 24 MA's), (7, 38641), (8, 38683), (10, 38734), (12, 38812),

Gene: TaeYoung_56 Start: 38769, Stop: 39071, Start Num: 5
Candidate Starts for TaeYoung_56:
(Start: 5 @38769 has 24 MA's), (7, 38802), (9, 38856), (10, 38895),

Gene: Timinator_54 Start: 38477, Stop: 38770, Start Num: 5
Candidate Starts for Timinator_54:
(Start: 5 @38477 has 24 MA's), (7, 38510), (8, 38552), (10, 38603), (12, 38681),

Gene: Zartrosa_54 Start: 38547, Stop: 38840, Start Num: 5
Candidate Starts for Zartrosa_54:
(Start: 5 @38547 has 24 MA's), (11, 38712), (13, 38775),