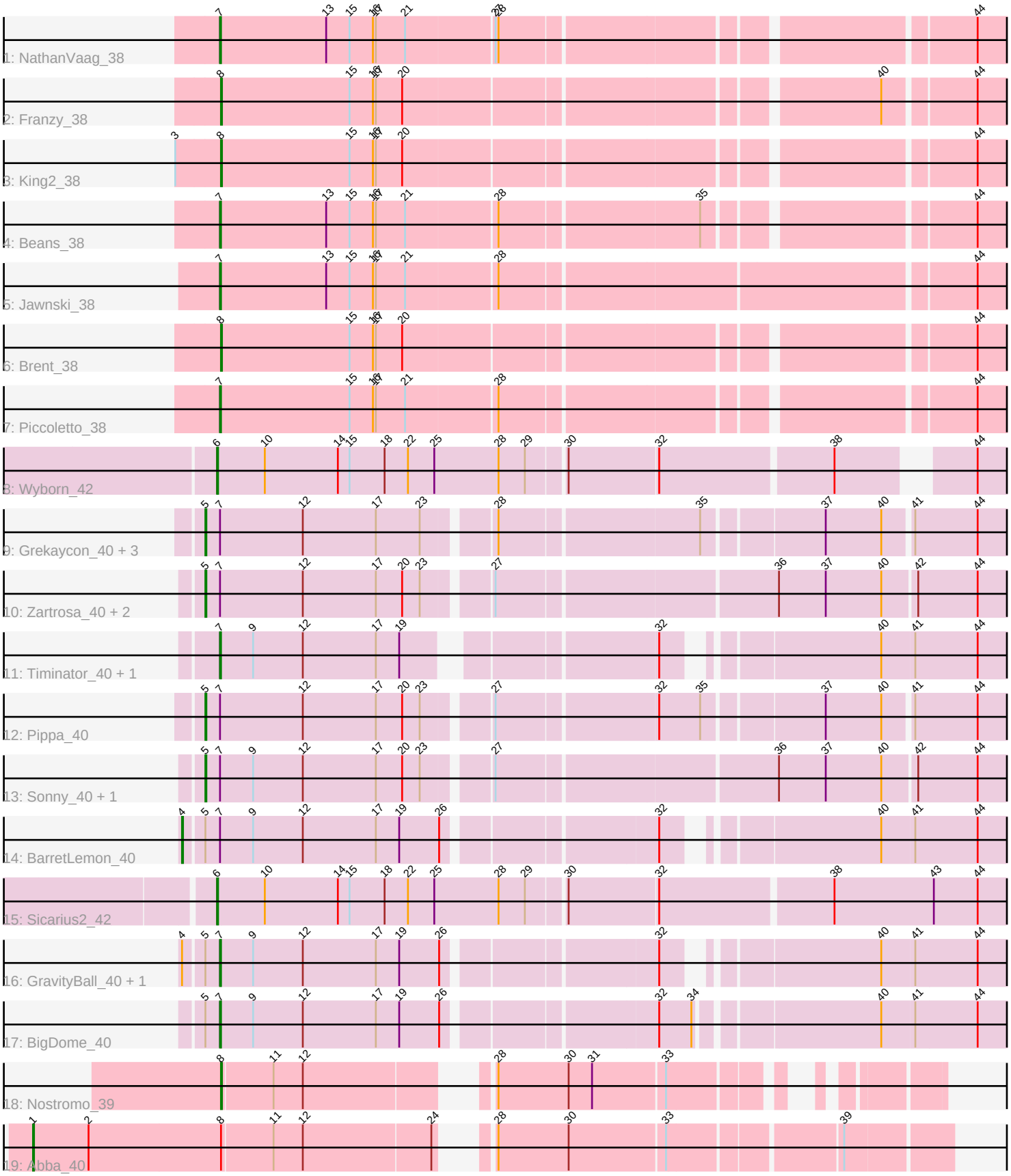
Pham 347939


1: NathanVaag_38
2: Franzy_38
3: King2_38
4: Beans_38
5: Jawnski_38
6: Brent_38
7: Piccoletto_38
8: Wyborn_42
9: Grekaycon_40 + 3
10: Zartrosa_40 + 2
11: Timinator_40 + 1
12: Pippa_40
13: Sonny_40 + 1
14: BarretLemon_40
15: Sicarius2_42
16: GravityBall_40 + 1
17: BigDome_40
18: Nostromo_39
19: Abba_40

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 347939 Report

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

Pham number 347939 has 27 members, 0 are drafts.

Phages represented in each track:
- Track 1 : NathanVaag_38
- Track 2 : Franzy_38
- Track 3 : King2_38
- Track 4 : Beans_38
- Track 5 : Jawnski_38
- Track 6 : Brent_38
- Track 7 : Piccoletto_38
- Track 8 : Wyborn_42
- Track 9 : Grekaycon_40, Martha_40, BossLady_40, TaeYoung_40
- Track 10 : Zartrosa_40, Shade_40, JKerns_40
- Track 11 : Timinator_40, LeeroyJ_40
- Track 12 : Pippa_40
- Track 13 : Sonny_40, Jordan_40
- Track 14 : BarretLemon_40
- Track 15 : Sicarius2_42
- Track 16 : GravityBall_40, StevieBAY_40
- Track 17 : BigDome_40
- Track 18 : Nostromo_39
- Track 19 : Abba_40

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 10 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BossLady_40, Grekaycon_40, JKerns_40, Jordan_40, Martha_40, Pippa_40, Shade_40, Sonny_40, TaeYoung_40, Zartrosa_40,

Genes that have the "Most Annotated" start but do not call it:
- BarretLemon_40, BigDome_40, GravityBall_40, StevieBAY_40,

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

• Abba_40, Beans_38, Brent_38, Franzy_38, Jawnski_38, King2_38, LeeroyJ_40, NathanVaag_38, Nostromo_39, Piccoletto_38, Sicarius2_42, Timinator_40, Wyborn_42,

Summary by start number:

Start 1:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_40 (AO3),

Start 4:
• Found in 3 of 27 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BarretLemon_40 (AO2),

Start 5:
• Found in 14 of 27 (51.9%) of genes in pham
• Manual Annotations of this start: 10 of 27
• Called 71.4% of time when present
• Phage (with cluster) where this start called: BossLady_40 (AO2), Grekaycon_40 (AO2), JKerns_40 (AO2), Jordan_40 (AO2), Martha_40 (AO2), Pippa_40 (AO2), Shade_40 (AO2), Sonny_40 (AO2), TaeYoung_40 (AO2), Zartrosa_40 (AO2),

Start 6:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sicarius2_42 (AO2), Wyborn_42 (AO2),

Start 7:
• Found in 20 of 27 (74.1%) of genes in pham
• Manual Annotations of this start: 9 of 27
• Called 45.0% of time when present
• Phage (with cluster) where this start called: Beans_38 (AO1), BigDome_40 (AO2), GravityBall_40 (AO2), Jawnski_38 (AO1), LeeroyJ_40 (AO2), NathanVaag_38 (AO1), Piccoletto_38 (AO1), StevieBAY_40 (AO2), Timinator_40 (AO2),

Start 8:
• Found in 5 of 27 (18.5%) of genes in pham
• Manual Annotations of this start: 4 of 27
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Brent_38 (AO1), Franzy_38 (AO1), King2_38 (AO1), Nostromo_39 (AO3),

Summary by clusters:

There are 3 clusters represented in this pham: AO3, AO2, AO1,

Info for manual annotations of cluster AO1:
•Start number 7 was manually annotated 4 times for cluster AO1.

•Start number 8 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 4 was manually annotated 1 time for cluster AO2.
•Start number 5 was manually annotated 10 times for cluster AO2.
•Start number 6 was manually annotated 2 times for cluster AO2.
•Start number 7 was manually annotated 5 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 1 was manually annotated 1 time for cluster AO3.
•Start number 8 was manually annotated 1 time for cluster AO3.

Gene Information:

Gene: Abba_40 Start: 31222, Stop: 32076, Start Num: 1
Candidate Starts for Abba_40:
(Start: 1 @31222 has 1 MA's), (2, 31279), (Start: 8 @31414 has 4 MA's), (11, 31465), (12, 31495), (24, 31624), (28, 31642), (30, 31714), (33, 31810), (39, 31972),

Gene: BarretLemon_40 Start: 32666, Stop: 33493, Start Num: 4
Candidate Starts for BarretLemon_40:
(Start: 4 @32666 has 1 MA's), (Start: 5 @32684 has 10 MA's), (Start: 7 @32699 has 9 MA's), (9, 32732), (12, 32783), (17, 32858), (19, 32882), (26, 32921), (32, 33119), (40, 33305), (41, 33338), (44, 33401),

Gene: Beans_38 Start: 32480, Stop: 33262, Start Num: 7
Candidate Starts for Beans_38:
(Start: 7 @32480 has 9 MA's), (13, 32588), (15, 32612), (16, 32636), (17, 32639), (21, 32669), (28, 32759), (35, 32954), (44, 33203),

Gene: BigDome_40 Start: 32705, Stop: 33517, Start Num: 7
Candidate Starts for BigDome_40:
(Start: 5 @32690 has 10 MA's), (Start: 7 @32705 has 9 MA's), (9, 32738), (12, 32789), (17, 32864), (19, 32888), (26, 32927), (32, 33125), (34, 33158), (40, 33329), (41, 33362), (44, 33425),

Gene: BossLady_40 Start: 32670, Stop: 33500, Start Num: 5
Candidate Starts for BossLady_40:
(Start: 5 @32670 has 10 MA's), (Start: 7 @32685 has 9 MA's), (12, 32769), (17, 32844), (23, 32889), (28, 32952), (35, 33147), (37, 33261), (40, 33318), (41, 33345), (44, 33408),

Gene: Brent_38 Start: 32451, Stop: 33233, Start Num: 8
Candidate Starts for Brent_38:
(Start: 8 @32451 has 4 MA's), (15, 32583), (16, 32607), (17, 32610), (20, 32637), (44, 33174),

Gene: Franzy_38 Start: 32467, Stop: 33249, Start Num: 8
Candidate Starts for Franzy_38:
(Start: 8 @32467 has 4 MA's), (15, 32599), (16, 32623), (17, 32626), (20, 32653), (40, 33103), (44, 33190),

Gene: GravityBall_40 Start: 32729, Stop: 33523, Start Num: 7
Candidate Starts for GravityBall_40:

(Start: 4 @32696 has 1 MA's), (Start: 5 @32714 has 10 MA's), (Start: 7 @32729 has 9 MA's), (9, 32762), (12, 32813), (17, 32888), (19, 32912), (26, 32951), (32, 33149), (40, 33335), (41, 33368), (44, 33431),

Gene: Grekaycon_40 Start: 32616, Stop: 33446, Start Num: 5
Candidate Starts for Grekaycon_40:
(Start: 5 @32616 has 10 MA's), (Start: 7 @32631 has 9 MA's), (12, 32715), (17, 32790), (23, 32835), (28, 32898), (35, 33093), (37, 33207), (40, 33264), (41, 33291), (44, 33354),

Gene: JKerns_40 Start: 32677, Stop: 33519, Start Num: 5
Candidate Starts for JKerns_40:
(Start: 5 @32677 has 10 MA's), (Start: 7 @32692 has 9 MA's), (12, 32776), (17, 32851), (20, 32878), (23, 32896), (27, 32956), (36, 33229), (37, 33277), (40, 33334), (42, 33367), (44, 33427),

Gene: Jawnski_38 Start: 32439, Stop: 33239, Start Num: 7
Candidate Starts for Jawnski_38:
(Start: 7 @32439 has 9 MA's), (13, 32547), (15, 32571), (16, 32595), (17, 32598), (21, 32628), (28, 32718), (44, 33180),

Gene: Jordan_40 Start: 32714, Stop: 33556, Start Num: 5
Candidate Starts for Jordan_40:
(Start: 5 @32714 has 10 MA's), (Start: 7 @32729 has 9 MA's), (9, 32762), (12, 32813), (17, 32888), (20, 32915), (23, 32933), (27, 32993), (36, 33266), (37, 33314), (40, 33371), (42, 33404), (44, 33464),

Gene: King2_38 Start: 32445, Stop: 33227, Start Num: 8
Candidate Starts for King2_38:
(3, 32400), (Start: 8 @32445 has 4 MA's), (15, 32577), (16, 32601), (17, 32604), (20, 32631), (44, 33168),

Gene: LeeroyJ_40 Start: 32683, Stop: 33462, Start Num: 7
Candidate Starts for LeeroyJ_40:
(Start: 7 @32683 has 9 MA's), (9, 32716), (12, 32767), (17, 32842), (19, 32866), (32, 33088), (40, 33274), (41, 33307), (44, 33370),

Gene: Martha_40 Start: 32617, Stop: 33447, Start Num: 5
Candidate Starts for Martha_40:
(Start: 5 @32617 has 10 MA's), (Start: 7 @32632 has 9 MA's), (12, 32716), (17, 32791), (23, 32836), (28, 32899), (35, 33094), (37, 33208), (40, 33265), (41, 33292), (44, 33355),

Gene: NathanVaag_38 Start: 32456, Stop: 33238, Start Num: 7
Candidate Starts for NathanVaag_38:
(Start: 7 @32456 has 9 MA's), (13, 32564), (15, 32588), (16, 32612), (17, 32615), (21, 32645), (27, 32732), (28, 32735), (44, 33179),

Gene: Nostromo_39 Start: 31585, Stop: 32184, Start Num: 8
Candidate Starts for Nostromo_39:
(Start: 8 @31585 has 4 MA's), (11, 31636), (12, 31666), (28, 31813), (30, 31885), (31, 31909), (33, 31981),

Gene: Piccoletto_38 Start: 32454, Stop: 33236, Start Num: 7
Candidate Starts for Piccoletto_38:
(Start: 7 @32454 has 9 MA's), (15, 32586), (16, 32610), (17, 32613), (21, 32643), (28, 32733), (44, 33177),

Gene: Pippa_40 Start: 32772, Stop: 33602, Start Num: 5
Candidate Starts for Pippa_40:
(Start: 5 @32772 has 10 MA's), (Start: 7 @32787 has 9 MA's), (12, 32871), (17, 32946), (20, 32973), (23, 32991), (27, 33051), (32, 33207), (35, 33249), (37, 33363), (40, 33420), (41, 33447), (44, 33510),

Gene: Shade_40 Start: 32688, Stop: 33530, Start Num: 5
Candidate Starts for Shade_40:
(Start: 5 @32688 has 10 MA's), (Start: 7 @32703 has 9 MA's), (12, 32787), (17, 32862), (20, 32889), (23, 32907), (27, 32967), (36, 33240), (37, 33288), (40, 33345), (42, 33378), (44, 33438),

Gene: Sicarius2_42 Start: 32542, Stop: 33393, Start Num: 6
Candidate Starts for Sicarius2_42:
(Start: 6 @32542 has 2 MA's), (10, 32590), (14, 32665), (15, 32677), (18, 32713), (22, 32737), (25, 32764), (28, 32830), (29, 32857), (30, 32893), (32, 32983), (38, 33154), (43, 33256), (44, 33301),

Gene: Sonny_40 Start: 32723, Stop: 33565, Start Num: 5
Candidate Starts for Sonny_40:
(Start: 5 @32723 has 10 MA's), (Start: 7 @32738 has 9 MA's), (9, 32771), (12, 32822), (17, 32897), (20, 32924), (23, 32942), (27, 33002), (36, 33275), (37, 33323), (40, 33380), (42, 33413), (44, 33473),

Gene: StevieBAY_40 Start: 32729, Stop: 33523, Start Num: 7
Candidate Starts for StevieBAY_40:
(Start: 4 @32696 has 1 MA's), (Start: 5 @32714 has 10 MA's), (Start: 7 @32729 has 9 MA's), (9, 32762), (12, 32813), (17, 32888), (19, 32912), (26, 32951), (32, 33149), (40, 33335), (41, 33368), (44, 33431),

Gene: TaeYoung_40 Start: 32617, Stop: 33447, Start Num: 5
Candidate Starts for TaeYoung_40:
(Start: 5 @32617 has 10 MA's), (Start: 7 @32632 has 9 MA's), (12, 32716), (17, 32791), (23, 32836), (28, 32899), (35, 33094), (37, 33208), (40, 33265), (41, 33292), (44, 33355),

Gene: Timinator_40 Start: 32683, Stop: 33462, Start Num: 7
Candidate Starts for Timinator_40:
(Start: 7 @32683 has 9 MA's), (9, 32716), (12, 32767), (17, 32842), (19, 32866), (32, 33088), (40, 33274), (41, 33307), (44, 33370),

Gene: Wyborn_42 Start: 33130, Stop: 33945, Start Num: 6
Candidate Starts for Wyborn_42:
(Start: 6 @33130 has 2 MA's), (10, 33178), (14, 33253), (15, 33265), (18, 33301), (22, 33325), (25, 33352), (28, 33418), (29, 33445), (30, 33481), (32, 33571), (38, 33742), (44, 33853),

Gene: Zartrosa_40 Start: 32630, Stop: 33472, Start Num: 5
Candidate Starts for Zartrosa_40:
(Start: 5 @32630 has 10 MA's), (Start: 7 @32645 has 9 MA's), (12, 32729), (17, 32804), (20, 32831), (23, 32849), (27, 32909), (36, 33182), (37, 33230), (40, 33287), (42, 33320), (44, 33380),