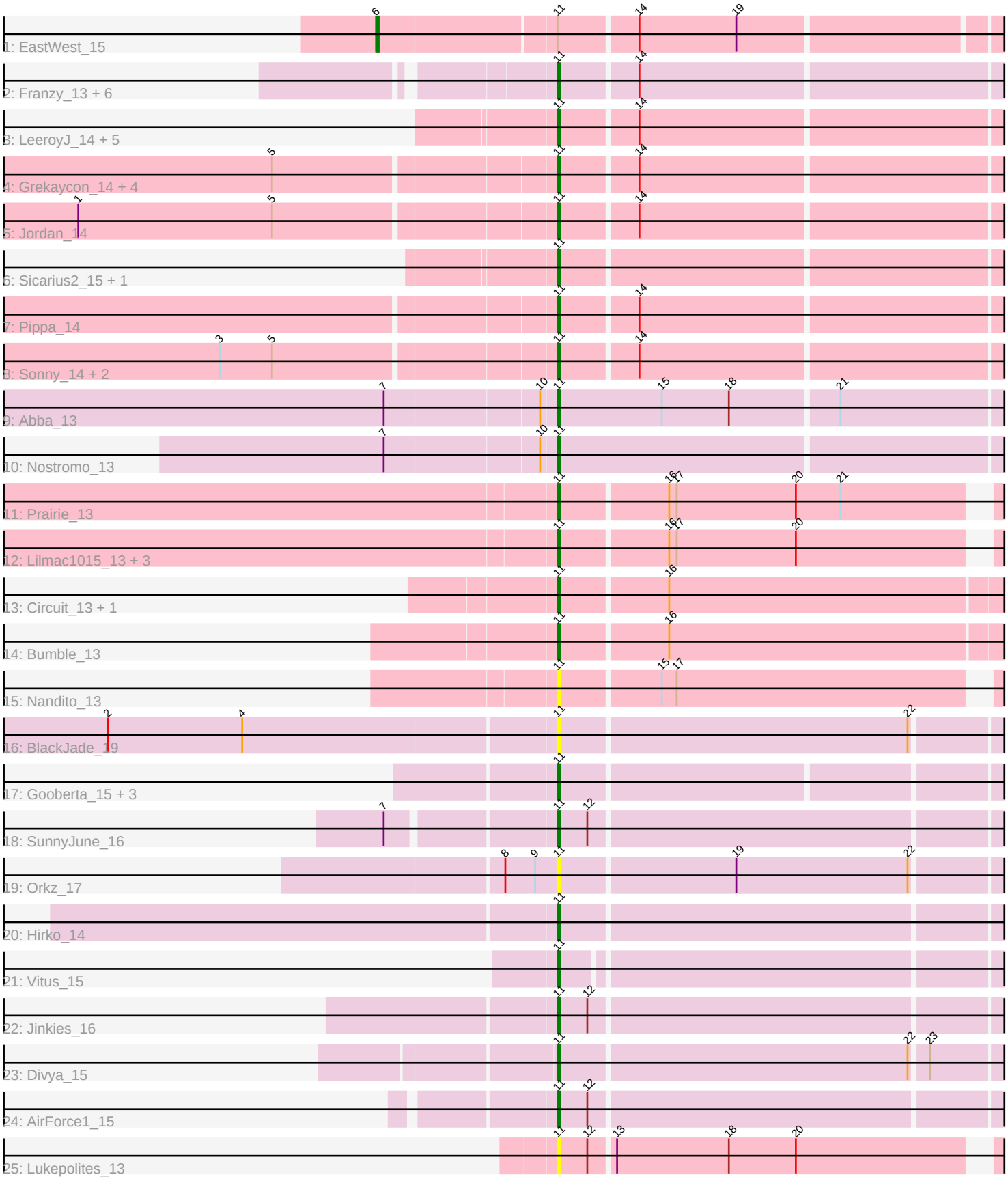
Pham 347722


1: EastWest_15
2: Franzy_13 + 6
3: LeeroyJ_14 + 5
4: Grekaycon_14 + 4
5: Jordan_14
6: Sicarius2_15 + 1
7: Pippa_14
8: Sonny_14 + 2
9: Abba_13
10: Nostromo_13
11: Prairie_13
12: Lilmac1015_13 + 3
13: Circuit_13 + 1
14: Bumble_13
15: Nandito_13
16: BlackJade_19
17: Gooberta_15 + 3
18: SunnyJune_16
19: Orkz_17
20: Hirko_14
21: Vitus_15
22: Jinkies_16
23: Divya_15
24: AirForce1_15
25: Lukepolites_13

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 347722 Report

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

Pham number 347722 has 50 members, 6 are drafts.

Phages represented in each track:
• Track 1 : EastWest_15
• Track 2 : Franzy_13, NathanVaag_13, Piccoletto_13, Jawnski_13, Beans_13, Brent_13, King2_13
• Track 3 : LeeroyJ_14, Timinator_14, StevieBAY_14, BigDome_14, GravityBall_14, BarretLemon_14
• Track 4 : Grekaycon_14, Shade_14, BossLady_14, Martha_14, TaeYoung_14
• Track 5 : Jordan_14
• Track 6 : Sicarius2_15, Wyborn_15
• Track 7 : Pippa_14
• Track 8 : Sonny_14, Zartrosa_14, JKerns_14
• Track 9 : Abba_13
• Track 10 : Nostromo_13
• Track 11 : Prairie_13
• Track 12 : Lilmac1015_13, Klevey_13, CalWood4100_13, Bolt007_13
• Track 13 : Circuit_13, Altadena_13
• Track 14 : Bumble_13
• Track 15 : Nandito_13
• Track 16 : BlackJade_19
• Track 17 : Gooberta_15, Music_15, GoldDust_15, Vibaki_15
• Track 18 : SunnyJune_16
• Track 19 : Orkz_17
• Track 20 : Hirko_14
• Track 21 : Vitus_15
• Track 22 : Jinkies_16
• Track 23 : Divya_15
• Track 24 : AirForce1_15
• Track 25 : Lukepolites_13

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

The start number called the most often in the published annotations is 11, it was called in 43 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Abba_13, AirForce1_15, Altadena_13, BarretLemon_14, Beans_13, BigDome_14, BlackJade_19, Bolt007_13, BossLady_14, Brent_13, Bumble_13, CalWood4100_13, Circuit_13, Divya_15, Franzy_13, GoldDust_15, Gooberta_15, GravityBall_14, Grekaycon_14, Hirko_14, JKerns_14, Jawnski_13, Jinkies_16, Jordan_14, King2_13, Klevey_13, LeeroyJ_14, Lilmac1015_13, Lukepolites_13, Martha_14, Music_15, Nandito_13, NathanVaag_13, Nostromo_13, Orkz_17, Piccoletto_13, Pippa_14, Prairie_13, Shade_14, Sicarius2_15, Sonny_14, StevieBAY_14, SunnyJune_16, TaeYoung_14, Timinator_14, Vibaki_15, Vitus_15, Wyborn_15, Zartrosa_14,

Genes that have the "Most Annotated" start but do not call it:
• EastWest_15,

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

Summary by start number:

Start 6:
• Found in 1 of 50 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 44
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EastWest_15 (AO),

Start 11:
• Found in 50 of 50 (100.0%) of genes in pham
• Manual Annotations of this start: 43 of 44
• Called 98.0% of time when present
• Phage (with cluster) where this start called: Abba_13 (AO3), AirForce1_15 (FL), Altadena_13 (FH), BarretLemon_14 (AO2), Beans_13 (AO1), BigDome_14 (AO2), BlackJade_19 (FL), Bolt007_13 (FH), BossLady_14 (AO2), Brent_13 (AO1), Bumble_13 (FH), CalWood4100_13 (FH), Circuit_13 (FH), Divya_15 (FL), Franzy_13 (AO1), GoldDust_15 (FL), Gooberta_15 (FL), GravityBall_14 (AO2), Grekaycon_14 (AO2), Hirko_14 (FL), JKerns_14 (AO2), Jawnski_13 (AO1), Jinkies_16 (FL), Jordan_14 (AO2), King2_13 (AO1), Klevey_13 (FH), LeeroyJ_14 (AO2), Lilmac1015_13 (FH), Lukepolites_13 (singleton), Martha_14 (AO2), Music_15 (FL), Nandito_13 (FH), NathanVaag_13 (AO1), Nostromo_13 (AO3), Orkz_17 (FL), Piccoletto_13 (AO1), Pippa_14 (AO2), Prairie_13 (FH), Shade_14 (AO2), Sicarius2_15 (AO2), Sonny_14 (AO2), StevieBAY_14 (AO2), SunnyJune_16 (FL), TaeYoung_14 (AO2), Timinator_14 (AO2), Vibaki_15 (FL), Vitus_15 (FL), Wyborn_15 (AO2), Zartrosa_14 (AO2),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, AO, AO3, AO2, AO1, FH, FL,

Info for manual annotations of cluster AO:
•Start number 6 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:
•Start number 11 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

•Start number 11 was manually annotated 18 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 11 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster FH:
•Start number 11 was manually annotated 7 times for cluster FH.

Info for manual annotations of cluster FL:
•Start number 11 was manually annotated 9 times for cluster FL.

Gene Information:

Gene: Abba_13 Start: 10446, Stop: 10676, Start Num: 11
Candidate Starts for Abba_13:
(7, 10380), (10, 10440), (Start: 11 @10446 has 43 MA's), (15, 10488), (18, 10515), (21, 10557),

Gene: AirForce1_15 Start: 10338, Stop: 10562, Start Num: 11
Candidate Starts for AirForce1_15:
(Start: 11 @10338 has 43 MA's), (12, 10350),

Gene: Altadena_13 Start: 10131, Stop: 10352, Start Num: 11
Candidate Starts for Altadena_13:
(Start: 11 @10131 has 43 MA's), (16, 10173),

Gene: BarretLemon_14 Start: 10650, Stop: 10889, Start Num: 11
Candidate Starts for BarretLemon_14:
(Start: 11 @10650 has 43 MA's), (14, 10680),

Gene: Beans_13 Start: 10336, Stop: 10575, Start Num: 11
Candidate Starts for Beans_13:
(Start: 11 @10336 has 43 MA's), (14, 10366),

Gene: BigDome_14 Start: 10638, Stop: 10877, Start Num: 11
Candidate Starts for BigDome_14:
(Start: 11 @10638 has 43 MA's), (14, 10668),

Gene: BlackJade_19 Start: 12286, Stop: 12516, Start Num: 11
Candidate Starts for BlackJade_19:
(2, 12109), (4, 12163), (Start: 11 @12286 has 43 MA's), (22, 12424),

Gene: Bolt007_13 Start: 10029, Stop: 10229, Start Num: 11
Candidate Starts for Bolt007_13:
(Start: 11 @10029 has 43 MA's), (16, 10071), (17, 10074), (20, 10122),

Gene: BossLady_14 Start: 10652, Stop: 10891, Start Num: 11
Candidate Starts for BossLady_14:
(5, 10544), (Start: 11 @10652 has 43 MA's), (14, 10682),

Gene: Brent_13 Start: 10318, Stop: 10557, Start Num: 11
Candidate Starts for Brent_13:

(Start: 11 @10318 has 43 MA's), (14, 10348),

Gene: Bumble_13 Start: 10130, Stop: 10345, Start Num: 11
Candidate Starts for Bumble_13:
(Start: 11 @10130 has 43 MA's), (16, 10172),

Gene: CalWood4100_13 Start: 10012, Stop: 10218, Start Num: 11
Candidate Starts for CalWood4100_13:
(Start: 11 @10012 has 43 MA's), (16, 10054), (17, 10057), (20, 10105),

Gene: Circuit_13 Start: 10115, Stop: 10333, Start Num: 11
Candidate Starts for Circuit_13:
(Start: 11 @10115 has 43 MA's), (16, 10157),

Gene: Divya_15 Start: 10634, Stop: 10846, Start Num: 11
Candidate Starts for Divya_15:
(Start: 11 @10634 has 43 MA's), (22, 10772), (23, 10778),

Gene: EastWest_15 Start: 10619, Stop: 10891, Start Num: 6
Candidate Starts for EastWest_15:
(Start: 6 @10619 has 1 MA's), (Start: 11 @10688 has 43 MA's), (14, 10718), (19, 10757),

Gene: Franzy_13 Start: 10318, Stop: 10557, Start Num: 11
Candidate Starts for Franzy_13:
(Start: 11 @10318 has 43 MA's), (14, 10348),

Gene: GoldDust_15 Start: 12216, Stop: 12449, Start Num: 11
Candidate Starts for GoldDust_15:
(Start: 11 @12216 has 43 MA's),

Gene: Gooberta_15 Start: 12216, Stop: 12449, Start Num: 11
Candidate Starts for Gooberta_15:
(Start: 11 @12216 has 43 MA's),

Gene: GravityBall_14 Start: 10649, Stop: 10888, Start Num: 11
Candidate Starts for GravityBall_14:
(Start: 11 @10649 has 43 MA's), (14, 10679),

Gene: Grekaycon_14 Start: 10661, Stop: 10900, Start Num: 11
Candidate Starts for Grekaycon_14:
(5, 10553), (Start: 11 @10661 has 43 MA's), (14, 10691),

Gene: Hirko_14 Start: 11651, Stop: 11887, Start Num: 11
Candidate Starts for Hirko_14:
(Start: 11 @11651 has 43 MA's),

Gene: JKerns_14 Start: 10688, Stop: 10927, Start Num: 11
Candidate Starts for JKerns_14:
(3, 10559), (5, 10580), (Start: 11 @10688 has 43 MA's), (14, 10718),

Gene: Jawnski_13 Start: 10331, Stop: 10570, Start Num: 11
Candidate Starts for Jawnski_13:
(Start: 11 @10331 has 43 MA's), (14, 10361),

Gene: Jinkies_16 Start: 12256, Stop: 12480, Start Num: 11
Candidate Starts for Jinkies_16:
(Start: 11 @12256 has 43 MA's), (12, 12268),

Gene: Jordan_14 Start: 10658, Stop: 10897, Start Num: 11
Candidate Starts for Jordan_14:
(1, 10472), (5, 10550), (Start: 11 @10658 has 43 MA's), (14, 10688),

Gene: King2_13 Start: 10320, Stop: 10559, Start Num: 11
Candidate Starts for King2_13:
(Start: 11 @10320 has 43 MA's), (14, 10350),

Gene: Klevey_13 Start: 10022, Stop: 10228, Start Num: 11
Candidate Starts for Klevey_13:
(Start: 11 @10022 has 43 MA's), (16, 10064), (17, 10067), (20, 10115),

Gene: LeeroyJ_14 Start: 10649, Stop: 10888, Start Num: 11
Candidate Starts for LeeroyJ_14:
(Start: 11 @10649 has 43 MA's), (14, 10679),

Gene: Lilmac1015_13 Start: 10012, Stop: 10218, Start Num: 11
Candidate Starts for Lilmac1015_13:
(Start: 11 @10012 has 43 MA's), (16, 10054), (17, 10057), (20, 10105),

Gene: Lukepolites_13 Start: 10365, Stop: 10571, Start Num: 11
Candidate Starts for Lukepolites_13:
(Start: 11 @10365 has 43 MA's), (12, 10377), (13, 10386), (18, 10431), (20, 10458),

Gene: Martha_14 Start: 10599, Stop: 10838, Start Num: 11
Candidate Starts for Martha_14:
(5, 10491), (Start: 11 @10599 has 43 MA's), (14, 10629),

Gene: Music_15 Start: 12086, Stop: 12319, Start Num: 11
Candidate Starts for Music_15:
(Start: 11 @12086 has 43 MA's),

Gene: Nandito_13 Start: 10109, Stop: 10318, Start Num: 11
Candidate Starts for Nandito_13:
(Start: 11 @10109 has 43 MA's), (15, 10148), (17, 10154),

Gene: NathanVaag_13 Start: 10324, Stop: 10563, Start Num: 11
Candidate Starts for NathanVaag_13:
(Start: 11 @10324 has 43 MA's), (14, 10354),

Gene: Nostromo_13 Start: 10650, Stop: 10883, Start Num: 11
Candidate Starts for Nostromo_13:
(7, 10584), (10, 10644), (Start: 11 @10650 has 43 MA's),

Gene: Orkz_17 Start: 10714, Stop: 10926, Start Num: 11
Candidate Starts for Orkz_17:
(8, 10693), (9, 10705), (Start: 11 @10714 has 43 MA's), (19, 10783), (22, 10852),

Gene: Piccoletto_13 Start: 10325, Stop: 10564, Start Num: 11
Candidate Starts for Piccoletto_13:
(Start: 11 @10325 has 43 MA's), (14, 10355),

Gene: Pippa_14 Start: 10697, Stop: 10936, Start Num: 11
Candidate Starts for Pippa_14:
(Start: 11 @10697 has 43 MA's), (14, 10727),

Gene: Prairie_13 Start: 10019, Stop: 10225, Start Num: 11
Candidate Starts for Prairie_13:
(Start: 11 @10019 has 43 MA's), (16, 10061), (17, 10064), (20, 10112), (21, 10130),

Gene: Shade_14 Start: 10637, Stop: 10876, Start Num: 11
Candidate Starts for Shade_14:
(5, 10529), (Start: 11 @10637 has 43 MA's), (14, 10667),

Gene: Sicarius2_15 Start: 11144, Stop: 11380, Start Num: 11
Candidate Starts for Sicarius2_15:
(Start: 11 @11144 has 43 MA's),

Gene: Sonny_14 Start: 10658, Stop: 10897, Start Num: 11
Candidate Starts for Sonny_14:
(3, 10529), (5, 10550), (Start: 11 @10658 has 43 MA's), (14, 10688),

Gene: StevieBAY_14 Start: 10649, Stop: 10888, Start Num: 11
Candidate Starts for StevieBAY_14:
(Start: 11 @10649 has 43 MA's), (14, 10679),

Gene: SunnyJune_16 Start: 12120, Stop: 12344, Start Num: 11
Candidate Starts for SunnyJune_16:
(7, 12057), (Start: 11 @12120 has 43 MA's), (12, 12132),

Gene: TaeYoung_14 Start: 10662, Stop: 10901, Start Num: 11
Candidate Starts for TaeYoung_14:
(5, 10554), (Start: 11 @10662 has 43 MA's), (14, 10692),

Gene: Timinator_14 Start: 10649, Stop: 10888, Start Num: 11
Candidate Starts for Timinator_14:
(Start: 11 @10649 has 43 MA's), (14, 10679),

Gene: Vibaki_15 Start: 12095, Stop: 12331, Start Num: 11
Candidate Starts for Vibaki_15:
(Start: 11 @12095 has 43 MA's),

Gene: Vitus_15 Start: 11899, Stop: 12132, Start Num: 11
Candidate Starts for Vitus_15:
(Start: 11 @11899 has 43 MA's),

Gene: Wyborn_15 Start: 11005, Stop: 11241, Start Num: 11
Candidate Starts for Wyborn_15:
(Start: 11 @11005 has 43 MA's),

Gene: Zartrosa_14 Start: 10661, Stop: 10900, Start Num: 11

Candidate Starts for Zartrosa_14:
(3, 10532), (5, 10553), (Start: 11 @10661 has 43 MA's), (14, 10691),