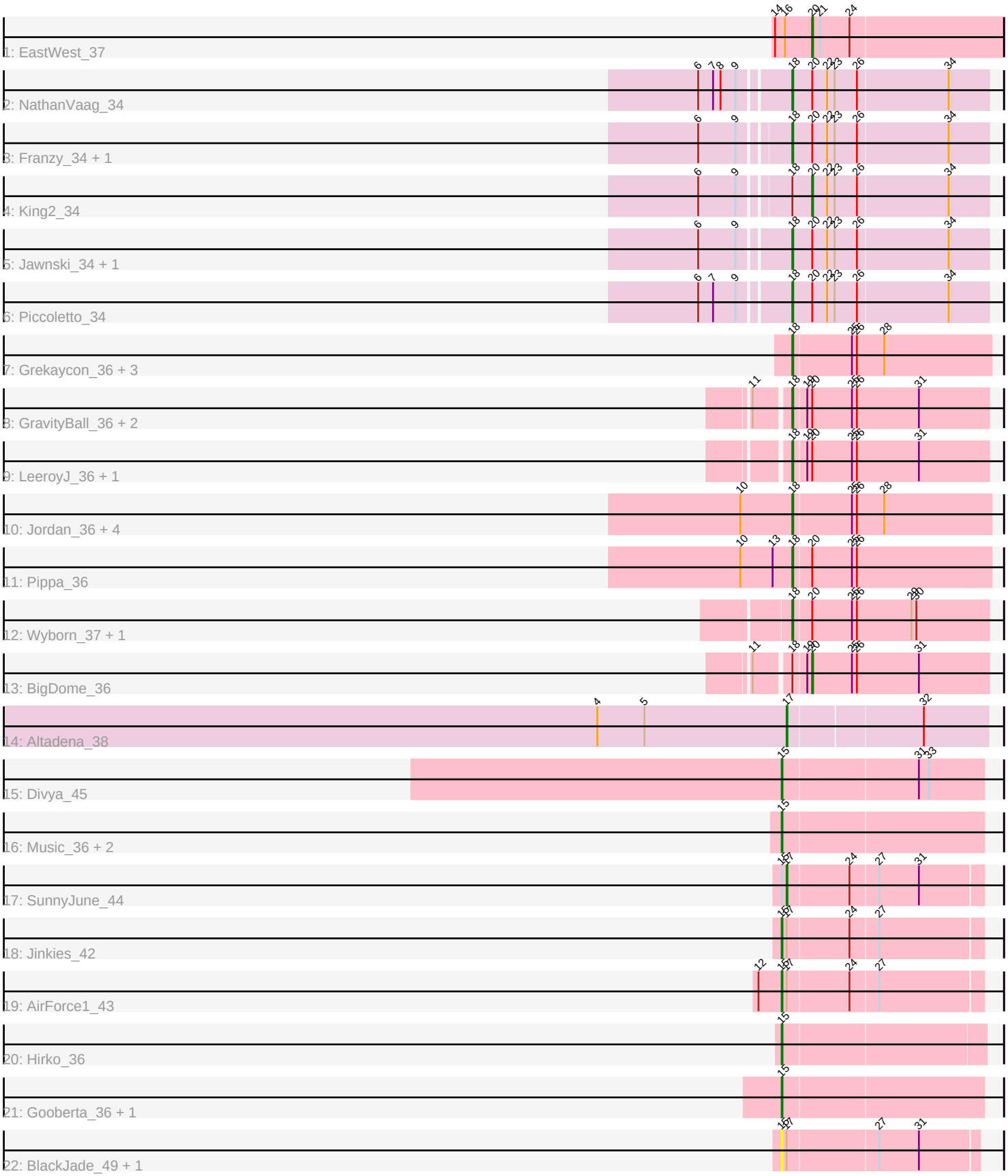
Zoomed Pham 347808



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 347808 Report

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

Pham number 347808 has 39 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EastWest_37
• Track 2 : NathanVaag_34
• Track 3 : Franzy_34, Brent_34
• Track 4 : King2_34
• Track 5 : Jawnski_34, Beans_34
• Track 6 : Piccoletto_34
• Track 7 : Grekaycon_36, BossLady_36, Martha_36, TaeYoung_36
• Track 8 : GravityBall_36, StevieBAY_36, BarretLemon_36
• Track 9 : LeeroyJ_36, Timinator_36
• Track 10 : Jordan_36, Shade_36, Zartrosa_36, Sonny_36, JKerns_36
• Track 11 : Pippa_36
• Track 12 : Wyborn_37, Sicarius2_37
• Track 13 : BigDome_36
• Track 14 : Altadena_38
• Track 15 : Divya_45
• Track 16 : Music_36, Vitus_37, Vibaki_36
• Track 17 : SunnyJune_44
• Track 18 : Jinkies_42
• Track 19 : AirForce1_43
• Track 20 : Hirko_36
• Track 21 : Gooberta_36, GoldDust_36
• Track 22 : BlackJade_49, Orkz_45

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

The start number called the most often in the published annotations is 18, it was called in 23 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarretLemon_36, Beans_34, BossLady_36, Brent_34, Franzy_34, GravityBall_36, Grekaycon_36, JKerns_36, Jawnski_34, Jordan_36, LeeroyJ_36, Martha_36, NathanVaag_34, Piccoletto_34, Pippa_36, Shade_36, Sicarius2_37, Sonny_36, StevieBAY_36, TaeYoung_36, Timinator_36, Wyborn_37, Zartrosa_36,

Genes that have the "Most Annotated" start but do not call it:
• BigDome_36, King2_34,

Genes that do not have the "Most Annotated" start:
• AirForce1_43, Altadena_38, BlackJade_49, Divya_45, EastWest_37, GoldDust_36, Gooberta_36, Hirko_36, Jinkies_42, Music_36, Orkz_45, SunnyJune_44, Vibaki_36, Vitus_37,

Summary by start number:

Start 15:
• Found in 12 of 39 (30.8%) of genes in pham
• Manual Annotations of this start: 8 of 36
• Called 91.7% of time when present
• Phage (with cluster) where this start called: AirForce1_43 (FL), BlackJade_49 (FL), Divya_45 (FL), GoldDust_36 (FL), Gooberta_36 (FL), Hirko_36 (FL), Jinkies_42 (FL), Music_36 (FL), Orkz_45 (FL), Vibaki_36 (FL), Vitus_37 (FL),

Start 17:
• Found in 6 of 39 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 36
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Altadena_38 (FH), SunnyJune_44 (FL),

Start 18:
• Found in 25 of 39 (64.1%) of genes in pham
• Manual Annotations of this start: 23 of 36
• Called 92.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_36 (AO2), Beans_34 (AO1), BossLady_36 (AO2), Brent_34 (AO1), Franzy_34 (AO1), GravityBall_36 (AO2), Grekaycon_36 (AO2), JKerns_36 (AO2), Jawnski_34 (AO1), Jordan_36 (AO2), LeeroyJ_36 (AO2), Martha_36 (AO2), NathanVaag_34 (AO1), Piccoletto_34 (AO1), Pippa_36 (AO2), Shade_36 (AO2), Sicarius2_37 (AO2), Sonny_36 (AO2), StevieBAY_36 (AO2), TaeYoung_36 (AO2), Timinator_36 (AO2), Wyborn_37 (AO2), Zartrosa_36 (AO2),

Start 20:
• Found in 17 of 39 (43.6%) of genes in pham
• Manual Annotations of this start: 3 of 36
• Called 17.6% of time when present
• Phage (with cluster) where this start called: BigDome_36 (AO2), EastWest_37 (AO), King2_34 (AO1),

Summary by clusters:

There are 5 clusters represented in this pham: FH, AO, FL, AO2, AO1,

Info for manual annotations of cluster AO:
•Start number 20 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:
•Start number 18 was manually annotated 6 times for cluster AO1.
•Start number 20 was manually annotated 1 time for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 18 was manually annotated 17 times for cluster AO2.
•Start number 20 was manually annotated 1 time for cluster AO2.

Info for manual annotations of cluster FH:
•Start number 17 was manually annotated 1 time for cluster FH.

Info for manual annotations of cluster FL:
•Start number 15 was manually annotated 8 times for cluster FL.
•Start number 17 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: AirForce1_43 Start: 32077, Stop: 32307, Start Num: 15
Candidate Starts for AirForce1_43:
(12, 32050), (Start: 15 @32077 has 8 MA's), (Start: 17 @32083 has 2 MA's), (24, 32155), (27, 32188),

Gene: Altadena_38 Start: 28844, Stop: 29077, Start Num: 17
Candidate Starts for Altadena_38:
(1, 27260), (2, 27329), (3, 27425), (4, 28616), (5, 28673), (Start: 17 @28844 has 2 MA's), (32, 29000),

Gene: BarretLemon_36 Start: 30665, Stop: 30898, Start Num: 18
Candidate Starts for BarretLemon_36:
(11, 30626), (Start: 18 @30665 has 23 MA's), (19, 30680), (Start: 20 @30686 has 3 MA's), (25, 30734), (26, 30740), (31, 30815),

Gene: Beans_34 Start: 30361, Stop: 30594, Start Num: 18
Candidate Starts for Beans_34:
(6, 30259), (9, 30304), (Start: 18 @30361 has 23 MA's), (Start: 20 @30385 has 3 MA's), (22, 30403), (23, 30412), (26, 30439), (34, 30547),

Gene: BigDome_36 Start: 30678, Stop: 30890, Start Num: 20
Candidate Starts for BigDome_36:
(11, 30618), (Start: 18 @30657 has 23 MA's), (19, 30672), (Start: 20 @30678 has 3 MA's), (25, 30726), (26, 30732), (31, 30807),

Gene: BlackJade_49 Start: 33527, Stop: 33754, Start Num: 15
Candidate Starts for BlackJade_49:
(Start: 15 @33527 has 8 MA's), (Start: 17 @33533 has 2 MA's), (27, 33638), (31, 33686),

Gene: BossLady_36 Start: 30637, Stop: 30873, Start Num: 18
Candidate Starts for BossLady_36:
(Start: 18 @30637 has 23 MA's), (25, 30706), (26, 30712), (28, 30745),

Gene: Brent_34 Start: 30324, Stop: 30557, Start Num: 18
Candidate Starts for Brent_34:
(6, 30225), (9, 30270), (Start: 18 @30324 has 23 MA's), (Start: 20 @30348 has 3 MA's), (22, 30366), (23, 30375), (26, 30402), (34, 30510),

Gene: Divya_45 Start: 32975, Stop: 33208, Start Num: 15

Candidate Starts for Divya_45:
(Start: 15 @32975 has 8 MA's), (31, 33134), (33, 33146),

Gene: EastWest_37 Start: 29947, Stop: 30174, Start Num: 20
Candidate Starts for EastWest_37:
(14, 29902), (16, 29914), (Start: 20 @29947 has 3 MA's), (21, 29956), (24, 29992),

Gene: Franzy_34 Start: 30323, Stop: 30556, Start Num: 18
Candidate Starts for Franzy_34:
(6, 30224), (9, 30269), (Start: 18 @30323 has 23 MA's), (Start: 20 @30347 has 3 MA's), (22, 30365), (23, 30374), (26, 30401), (34, 30509),

Gene: GoldDust_36 Start: 32248, Stop: 32484, Start Num: 15
Candidate Starts for GoldDust_36:
(Start: 15 @32248 has 8 MA's),

Gene: Gooberta_36 Start: 32247, Stop: 32483, Start Num: 15
Candidate Starts for Gooberta_36:
(Start: 15 @32247 has 8 MA's),

Gene: GravityBall_36 Start: 30665, Stop: 30898, Start Num: 18
Candidate Starts for GravityBall_36:
(11, 30626), (Start: 18 @30665 has 23 MA's), (19, 30680), (Start: 20 @30686 has 3 MA's), (25, 30734), (26, 30740), (31, 30815),

Gene: Grekaycon_36 Start: 30583, Stop: 30819, Start Num: 18
Candidate Starts for Grekaycon_36:
(Start: 18 @30583 has 23 MA's), (25, 30652), (26, 30658), (28, 30691),

Gene: Hirko_36 Start: 32006, Stop: 32242, Start Num: 15
Candidate Starts for Hirko_36:
(Start: 15 @32006 has 8 MA's),

Gene: JKerns_36 Start: 30547, Stop: 30783, Start Num: 18
Candidate Starts for JKerns_36:
(10, 30484), (Start: 18 @30547 has 23 MA's), (25, 30616), (26, 30622), (28, 30655),

Gene: Jawnski_34 Start: 30330, Stop: 30563, Start Num: 18
Candidate Starts for Jawnski_34:
(6, 30228), (9, 30273), (Start: 18 @30330 has 23 MA's), (Start: 20 @30354 has 3 MA's), (22, 30372), (23, 30381), (26, 30408), (34, 30516),

Gene: Jinkies_42 Start: 33077, Stop: 33310, Start Num: 15
Candidate Starts for Jinkies_42:
(Start: 15 @33077 has 8 MA's), (Start: 17 @33083 has 2 MA's), (24, 33155), (27, 33188),

Gene: Jordan_36 Start: 30597, Stop: 30833, Start Num: 18
Candidate Starts for Jordan_36:
(10, 30534), (Start: 18 @30597 has 23 MA's), (25, 30666), (26, 30672), (28, 30705),

Gene: King2_34 Start: 30343, Stop: 30552, Start Num: 20
Candidate Starts for King2_34:

(6, 30220), (9, 30265), (Start: 18 @30319 has 23 MA's), (Start: 20 @30343 has 3 MA's), (22, 30361), (23, 30370), (26, 30397), (34, 30505),

Gene: LeeroyJ_36 Start: 30664, Stop: 30897, Start Num: 18
Candidate Starts for LeeroyJ_36:
(Start: 18 @30664 has 23 MA's), (19, 30679), (Start: 20 @30685 has 3 MA's), (25, 30733), (26, 30739), (31, 30814),

Gene: Martha_36 Start: 30584, Stop: 30820, Start Num: 18
Candidate Starts for Martha_36:
(Start: 18 @30584 has 23 MA's), (25, 30653), (26, 30659), (28, 30692),

Gene: Music_36 Start: 32131, Stop: 32367, Start Num: 15
Candidate Starts for Music_36:
(Start: 15 @32131 has 8 MA's),

Gene: NathanVaag_34 Start: 30333, Stop: 30566, Start Num: 18
Candidate Starts for NathanVaag_34:
(6, 30231), (7, 30249), (8, 30258), (9, 30276), (Start: 18 @30333 has 23 MA's), (Start: 20 @30357 has 3 MA's), (22, 30375), (23, 30384), (26, 30411), (34, 30519),

Gene: Orkz_45 Start: 31261, Stop: 31497, Start Num: 15
Candidate Starts for Orkz_45:
(Start: 15 @31261 has 8 MA's), (Start: 17 @31267 has 2 MA's), (27, 31372), (31, 31420),

Gene: Piccoletto_34 Start: 30334, Stop: 30567, Start Num: 18
Candidate Starts for Piccoletto_34:
(6, 30232), (7, 30250), (9, 30277), (Start: 18 @30334 has 23 MA's), (Start: 20 @30358 has 3 MA's), (22, 30376), (23, 30385), (26, 30412), (34, 30520),

Gene: Pippa_36 Start: 30726, Stop: 30962, Start Num: 18
Candidate Starts for Pippa_36:
(10, 30663), (13, 30702), (Start: 18 @30726 has 23 MA's), (Start: 20 @30747 has 3 MA's), (25, 30795), (26, 30801),

Gene: Shade_36 Start: 30571, Stop: 30807, Start Num: 18
Candidate Starts for Shade_36:
(10, 30508), (Start: 18 @30571 has 23 MA's), (25, 30640), (26, 30646), (28, 30679),

Gene: Sicarius2_37 Start: 30191, Stop: 30424, Start Num: 18
Candidate Starts for Sicarius2_37:
(Start: 18 @30191 has 23 MA's), (Start: 20 @30212 has 3 MA's), (25, 30260), (26, 30266), (29, 30332), (30, 30338),

Gene: Sonny_36 Start: 30601, Stop: 30837, Start Num: 18
Candidate Starts for Sonny_36:
(10, 30538), (Start: 18 @30601 has 23 MA's), (25, 30670), (26, 30676), (28, 30709),

Gene: StevieBAY_36 Start: 30665, Stop: 30898, Start Num: 18
Candidate Starts for StevieBAY_36:
(11, 30626), (Start: 18 @30665 has 23 MA's), (19, 30680), (Start: 20 @30686 has 3 MA's), (25, 30734), (26, 30740), (31, 30815),

Gene: SunnyJune_44 Start: 32654, Stop: 32881, Start Num: 17
Candidate Starts for SunnyJune_44:
(Start: 15 @32648 has 8 MA's), (Start: 17 @32654 has 2 MA's), (24, 32726), (27, 32759), (31, 32807),

Gene: TaeYoung_36 Start: 30584, Stop: 30820, Start Num: 18
Candidate Starts for TaeYoung_36:
(Start: 18 @30584 has 23 MA's), (25, 30653), (26, 30659), (28, 30692),

Gene: Timinator_36 Start: 30664, Stop: 30897, Start Num: 18
Candidate Starts for Timinator_36:
(Start: 18 @30664 has 23 MA's), (19, 30679), (Start: 20 @30685 has 3 MA's), (25, 30733), (26, 30739), (31, 30814),

Gene: Vibaki_36 Start: 32149, Stop: 32385, Start Num: 15
Candidate Starts for Vibaki_36:
(Start: 15 @32149 has 8 MA's),

Gene: Vitus_37 Start: 30859, Stop: 31098, Start Num: 15
Candidate Starts for Vitus_37:
(Start: 15 @30859 has 8 MA's),

Gene: Wyborn_37 Start: 30829, Stop: 31062, Start Num: 18
Candidate Starts for Wyborn_37:
(Start: 18 @30829 has 23 MA's), (Start: 20 @30850 has 3 MA's), (25, 30898), (26, 30904), (29, 30970), (30, 30976),

Gene: Zartrosa_36 Start: 30510, Stop: 30746, Start Num: 18
Candidate Starts for Zartrosa_36:
(10, 30447), (Start: 18 @30510 has 23 MA's), (25, 30579), (26, 30585), (28, 30618),