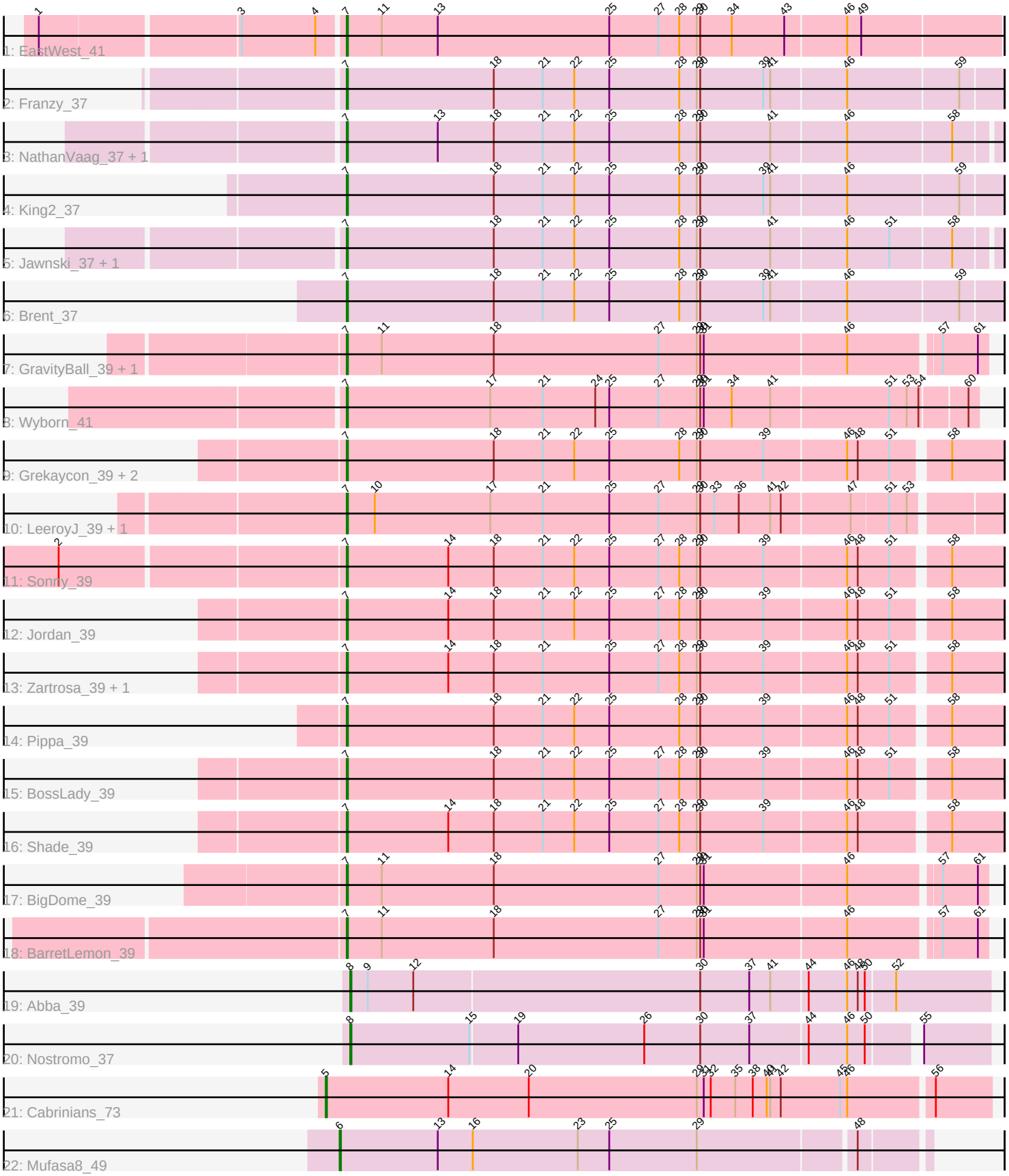
Pham 346031


1: EastWest_41
2: Franzy_37
3: NathanVaag_37 + 1
4: King2_37
5: Jawnski_37 + 1
6: Brent_37
7: GravityBall_39 + 1
8: Wyborn_41
9: Grekaycon_39 + 2
10: LeeroyJ_39 + 1
11: Sonny_39
12: Jordan_39
13: Zartrosa_39 + 1
14: Pippa_39
15: BossLady_39
16: Shade_39
17: BigDome_39
18: BarretLemon_39
19: Abba_39
20: Nostromo_37
21: Cabrinians_73
22: Mufasa8_49

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 346031 Report

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

Pham number 346031 has 29 members, 0 are drafts.

Phages represented in each track:
- Track 1 : EastWest_41
- Track 2 : Franzy_37
- Track 3 : NathanVaag_37, Piccoletto_37
- Track 4 : King2_37
- Track 5 : Jawnski_37, Beans_37
- Track 6 : Brent_37
- Track 7 : GravityBall_39, StevieBAY_39
- Track 8 : Wyborn_41
- Track 9 : Grekaycon_39, Martha_39, TaeYoung_39
- Track 10 : LeeroyJ_39, Timinator_39
- Track 11 : Sonny_39
- Track 12 : Jordan_39
- Track 13 : Zartrosa_39, JKerns_39
- Track 14 : Pippa_39
- Track 15 : BossLady_39
- Track 16 : Shade_39
- Track 17 : BigDome_39
- Track 18 : BarretLemon_39
- Track 19 : Abba_39
- Track 20 : Nostromo_37
- Track 21 : Cabrinians_73
- Track 22 : Mufasa8_49

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

The start number called the most often in the published annotations is 7, it was called in 25 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BarretLemon_39, Beans_37, BigDome_39, BossLady_39, Brent_37, EastWest_41, Franzy_37, GravityBall_39, Grekaycon_39, JKerns_39, Jawnski_37, Jordan_39, King2_37, LeeroyJ_39, Martha_39, NathanVaag_37, Piccoletto_37, Pippa_39, Shade_39, Sonny_39, StevieBAY_39, TaeYoung_39, Timinator_39, Wyborn_41, Zartrosa_39,

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

Genes that do not have the "Most Annotated" start:
• Abba_39, Cabrinians_73, Mufasa8_49, Nostromo_37,

Summary by start number:

Start 5:
• Found in 1 of 29 (3.4%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cabrinians_73 (F1),

Start 6:
• Found in 1 of 29 (3.4%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mufasa8_49 (FG),

Start 7:
• Found in 25 of 29 (86.2%) of genes in pham
• Manual Annotations of this start: 25 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_39 (AO2), Beans_37 (AO1), BigDome_39 (AO2), BossLady_39 (AO2), Brent_37 (AO1), EastWest_41 (AO), Franzy_37 (AO1), GravityBall_39 (AO2), Grekaycon_39 (AO2), JKerns_39 (AO2), Jawnski_37 (AO1), Jordan_39 (AO2), King2_37 (AO1), LeeroyJ_39 (AO2), Martha_39 (AO2), NathanVaag_37 (AO1), Piccoletto_37 (AO1), Pippa_39 (AO2), Shade_39 (AO2), Sonny_39 (AO2), StevieBAY_39 (AO2), TaeYoung_39 (AO2), Timinator_39 (AO2), Wyborn_41 (AO2), Zartrosa_39 (AO2),

Start 8:
• Found in 2 of 29 (6.9%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_39 (AO3), Nostromo_37 (AO3),

Summary by clusters:

There are 6 clusters represented in this pham: F1, AO, AO3, AO2, AO1, FG,

Info for manual annotations of cluster AO:
•Start number 7 was manually annotated 1 time for cluster AO.

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

Info for manual annotations of cluster AO2:
•Start number 7 was manually annotated 17 times for cluster AO2.

Info for manual annotations of cluster AO3:

•Start number 8 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 1 time for cluster F1.

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

Gene Information:

Gene: Abba_39 Start: 30600, Stop: 31139, Start Num: 8
Candidate Starts for Abba_39:
(Start: 8 @30600 has 2 MA's), (9, 30615), (12, 30654), (30, 30897), (37, 30939), (41, 30957), (44, 30987), (46, 31020), (48, 31029), (50, 31035), (52, 31059),

Gene: BarretLemon_39 Start: 31855, Stop: 32391, Start Num: 7
Candidate Starts for BarretLemon_39:
(Start: 7 @31855 has 25 MA's), (11, 31885), (18, 31981), (27, 32122), (29, 32155), (30, 32158), (31, 32161), (46, 32281), (57, 32353), (61, 32383),

Gene: Beans_37 Start: 31641, Stop: 32189, Start Num: 7
Candidate Starts for Beans_37:
(Start: 7 @31641 has 25 MA's), (18, 31767), (21, 31809), (22, 31836), (25, 31866), (28, 31926), (29, 31941), (30, 31944), (41, 32004), (46, 32067), (51, 32103), (58, 32154),

Gene: BigDome_39 Start: 31861, Stop: 32397, Start Num: 7
Candidate Starts for BigDome_39:
(Start: 7 @31861 has 25 MA's), (11, 31891), (18, 31987), (27, 32128), (29, 32161), (30, 32164), (31, 32167), (46, 32287), (57, 32359), (61, 32389),

Gene: BossLady_39 Start: 31863, Stop: 32411, Start Num: 7
Candidate Starts for BossLady_39:
(Start: 7 @31863 has 25 MA's), (18, 31989), (21, 32031), (22, 32058), (25, 32088), (27, 32130), (28, 32148), (29, 32163), (30, 32166), (39, 32220), (46, 32289), (48, 32298), (51, 32325), (58, 32367),

Gene: Brent_37 Start: 31595, Stop: 32149, Start Num: 7
Candidate Starts for Brent_37:
(Start: 7 @31595 has 25 MA's), (18, 31721), (21, 31763), (22, 31790), (25, 31820), (28, 31880), (29, 31895), (30, 31898), (39, 31952), (41, 31958), (46, 32021), (59, 32114),

Gene: Cabrinians_73 Start: 46340, Stop: 46903, Start Num: 5
Candidate Starts for Cabrinians_73:
(Start: 5 @46340 has 1 MA's), (14, 46445), (20, 46514), (29, 46658), (31, 46664), (32, 46670), (35, 46691), (38, 46706), (40, 46718), (41, 46721), (42, 46730), (45, 46781), (46, 46787), (56, 46856),

Gene: EastWest_41 Start: 31527, Stop: 32081, Start Num: 7
Candidate Starts for EastWest_41:
(1, 31281), (3, 31443), (4, 31506), (Start: 7 @31527 has 25 MA's), (11, 31557), (13, 31605), (25, 31752), (27, 31794), (28, 31812), (29, 31827), (30, 31830), (34, 31857), (43, 31902), (46, 31953), (49, 31965),

Gene: Franzy_37 Start: 31611, Stop: 32165, Start Num: 7
Candidate Starts for Franzy_37:
(Start: 7 @31611 has 25 MA's), (18, 31737), (21, 31779), (22, 31806), (25, 31836), (28, 31896), (29, 31911), (30, 31914), (39, 31968), (41, 31974), (46, 32037), (59, 32130),

Gene: GravityBall_39 Start: 31885, Stop: 32421, Start Num: 7
Candidate Starts for GravityBall_39:
(Start: 7 @31885 has 25 MA's), (11, 31915), (18, 32011), (27, 32152), (29, 32185), (30, 32188), (31, 32191), (46, 32311), (57, 32383), (61, 32413),

Gene: Grekaycon_39 Start: 31809, Stop: 32357, Start Num: 7
Candidate Starts for Grekaycon_39:
(Start: 7 @31809 has 25 MA's), (18, 31935), (21, 31977), (22, 32004), (25, 32034), (28, 32094), (29, 32109), (30, 32112), (39, 32166), (46, 32235), (48, 32244), (51, 32271), (58, 32313),

Gene: JKerns_39 Start: 31869, Stop: 32417, Start Num: 7
Candidate Starts for JKerns_39:
(Start: 7 @31869 has 25 MA's), (14, 31956), (18, 31995), (21, 32037), (25, 32094), (27, 32136), (28, 32154), (29, 32169), (30, 32172), (39, 32226), (46, 32295), (48, 32304), (51, 32331), (58, 32373),

Gene: Jawnski_37 Start: 31599, Stop: 32147, Start Num: 7
Candidate Starts for Jawnski_37:
(Start: 7 @31599 has 25 MA's), (18, 31725), (21, 31767), (22, 31794), (25, 31824), (28, 31884), (29, 31899), (30, 31902), (41, 31962), (46, 32025), (51, 32061), (58, 32112),

Gene: Jordan_39 Start: 31918, Stop: 32466, Start Num: 7
Candidate Starts for Jordan_39:
(Start: 7 @31918 has 25 MA's), (14, 32005), (18, 32044), (21, 32086), (22, 32113), (25, 32143), (27, 32185), (28, 32203), (29, 32218), (30, 32221), (39, 32275), (46, 32344), (48, 32353), (51, 32380), (58, 32422),

Gene: King2_37 Start: 31589, Stop: 32143, Start Num: 7
Candidate Starts for King2_37:
(Start: 7 @31589 has 25 MA's), (18, 31715), (21, 31757), (22, 31784), (25, 31814), (28, 31874), (29, 31889), (30, 31892), (39, 31946), (41, 31952), (46, 32015), (59, 32108),

Gene: LeeroyJ_39 Start: 31877, Stop: 32422, Start Num: 7
Candidate Starts for LeeroyJ_39:
(Start: 7 @31877 has 25 MA's), (10, 31901), (17, 32000), (21, 32045), (25, 32102), (27, 32144), (29, 32177), (30, 32180), (33, 32192), (36, 32213), (41, 32240), (42, 32249), (47, 32306), (51, 32336), (53, 32351),

Gene: Martha_39 Start: 31810, Stop: 32358, Start Num: 7
Candidate Starts for Martha_39:
(Start: 7 @31810 has 25 MA's), (18, 31936), (21, 31978), (22, 32005), (25, 32035), (28, 32095), (29, 32110), (30, 32113), (39, 32167), (46, 32236), (48, 32245), (51, 32272), (58, 32314),

Gene: Mufasa8_49 Start: 36868, Stop: 37356, Start Num: 6
Candidate Starts for Mufasa8_49:
(Start: 6 @36868 has 1 MA's), (13, 36952), (16, 36982), (23, 37072), (25, 37099), (29, 37174), (48, 37303),

Gene: NathanVaag_37 Start: 31617, Stop: 32165, Start Num: 7

Candidate Starts for NathanVaag_37:
(Start: 7 @31617 has 25 MA's), (13, 31695), (18, 31743), (21, 31785), (22, 31812), (25, 31842), (28, 31902), (29, 31917), (30, 31920), (41, 31980), (46, 32043), (58, 32130),

Gene: Nostromo_37 Start: 30676, Stop: 31203, Start Num: 8
Candidate Starts for Nostromo_37:
(Start: 8 @30676 has 2 MA's), (15, 30778), (19, 30817), (26, 30925), (30, 30973), (37, 31015), (44, 31063), (46, 31096), (50, 31111), (55, 31147),

Gene: Piccoletto_37 Start: 31615, Stop: 32163, Start Num: 7
Candidate Starts for Piccoletto_37:
(Start: 7 @31615 has 25 MA's), (13, 31693), (18, 31741), (21, 31783), (22, 31810), (25, 31840), (28, 31900), (29, 31915), (30, 31918), (41, 31978), (46, 32041), (58, 32128),

Gene: Pippa_39 Start: 31965, Stop: 32513, Start Num: 7
Candidate Starts for Pippa_39:
(Start: 7 @31965 has 25 MA's), (18, 32091), (21, 32133), (22, 32160), (25, 32190), (28, 32250), (29, 32265), (30, 32268), (39, 32322), (46, 32391), (48, 32400), (51, 32427), (58, 32469),

Gene: Shade_39 Start: 31892, Stop: 32440, Start Num: 7
Candidate Starts for Shade_39:
(Start: 7 @31892 has 25 MA's), (14, 31979), (18, 32018), (21, 32060), (22, 32087), (25, 32117), (27, 32159), (28, 32177), (29, 32192), (30, 32195), (39, 32249), (46, 32318), (48, 32327), (58, 32396),

Gene: Sonny_39 Start: 31915, Stop: 32463, Start Num: 7
Candidate Starts for Sonny_39:
(2, 31681), (Start: 7 @31915 has 25 MA's), (14, 32002), (18, 32041), (21, 32083), (22, 32110), (25, 32140), (27, 32182), (28, 32200), (29, 32215), (30, 32218), (39, 32272), (46, 32341), (48, 32350), (51, 32377), (58, 32419),

Gene: StevieBAY_39 Start: 31885, Stop: 32421, Start Num: 7
Candidate Starts for StevieBAY_39:
(Start: 7 @31885 has 25 MA's), (11, 31915), (18, 32011), (27, 32152), (29, 32185), (30, 32188), (31, 32191), (46, 32311), (57, 32383), (61, 32413),

Gene: TaeYoung_39 Start: 31810, Stop: 32358, Start Num: 7
Candidate Starts for TaeYoung_39:
(Start: 7 @31810 has 25 MA's), (18, 31936), (21, 31978), (22, 32005), (25, 32035), (28, 32095), (29, 32110), (30, 32113), (39, 32167), (46, 32236), (48, 32245), (51, 32272), (58, 32314),

Gene: Timinator_39 Start: 31877, Stop: 32422, Start Num: 7
Candidate Starts for Timinator_39:
(Start: 7 @31877 has 25 MA's), (10, 31901), (17, 32000), (21, 32045), (25, 32102), (27, 32144), (29, 32177), (30, 32180), (33, 32192), (36, 32213), (41, 32240), (42, 32249), (47, 32306), (51, 32336), (53, 32351),

Gene: Wyborn_41 Start: 32362, Stop: 32892, Start Num: 7
Candidate Starts for Wyborn_41:
(Start: 7 @32362 has 25 MA's), (17, 32485), (21, 32530), (24, 32575), (25, 32587), (27, 32629), (29, 32662), (30, 32665), (31, 32668), (34, 32692), (41, 32725), (51, 32824), (53, 32839), (54, 32848), (60, 32884),

Gene: Zartrosa_39 Start: 31822, Stop: 32370, Start Num: 7

Candidate Starts for Zartrosa_39:
(Start: 7 @31822 has 25 MA's), (14, 31909), (18, 31948), (21, 31990), (25, 32047), (27, 32089), (28, 32107), (29, 32122), (30, 32125), (39, 32179), (46, 32248), (48, 32257), (51, 32284), (58, 32326),