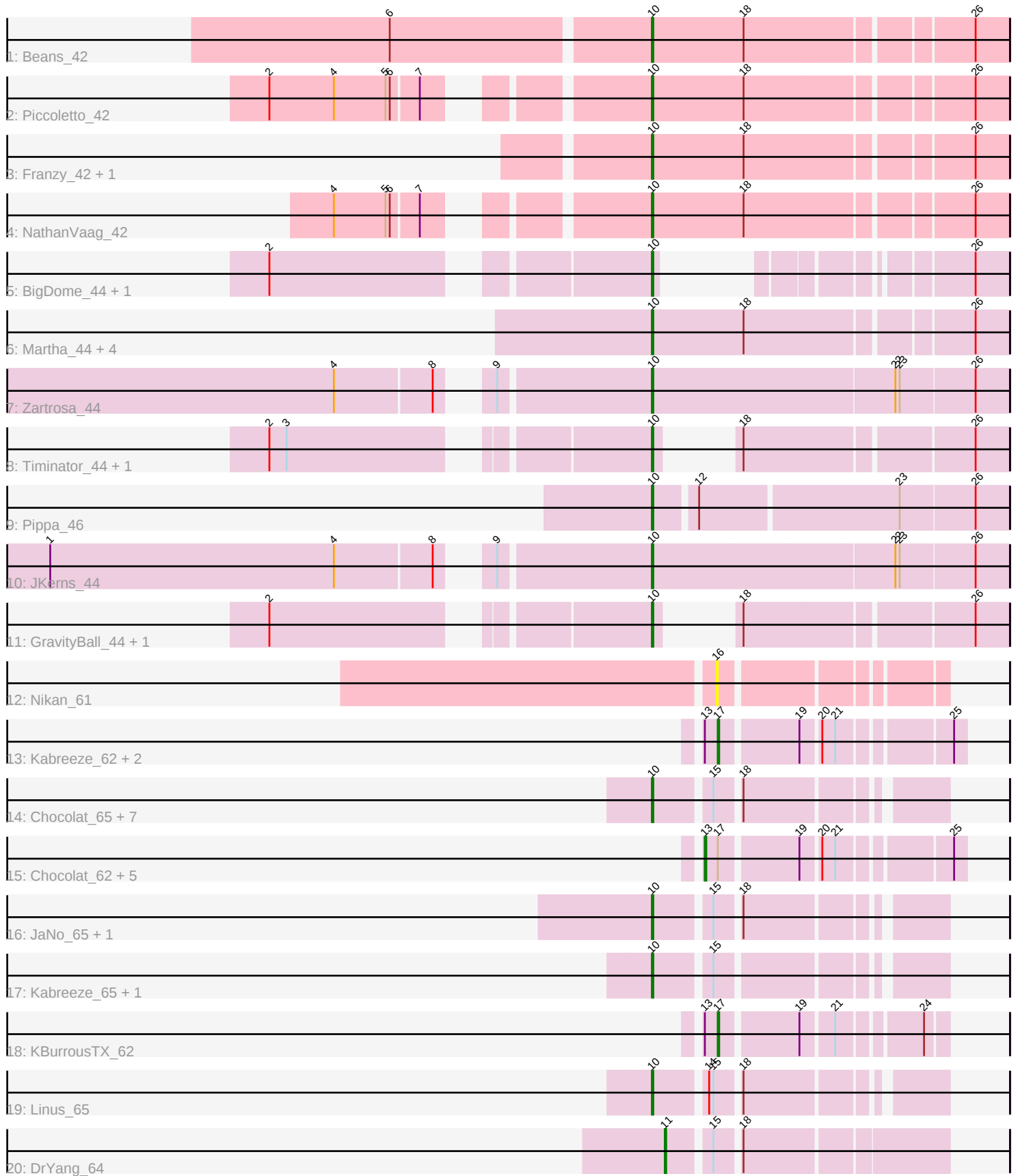


Pham 330992



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 330992 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330992 has 44 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Beans_42
- Track 2 : Piccoletto_42
- Track 3 : Franzy_42, Brent_42
- Track 4 : NathanVaag_42
- Track 5 : BigDome_44, BarretLemon_44
- Track 6 : Martha_44, TaeYoung_44, Grekaycon_44, Sonny_44, Jordan_44
- Track 7 : Zartrosa_44
- Track 8 : Timinator_44, LeeroyJ_44
- Track 9 : Pippa_46
- Track 10 : JKerns_44
- Track 11 : GravityBall_44, StevieBAY_44
- Track 12 : Nikan_61
- Track 13 : Kabreeze_62, HumptyDumpty_62, Linus_62
- Track 14 : Chocolat_65, Conboy_64, EdgarPoe_64, Chubster_66, MoyaNatalis_65, Tophat_65, Chipper1996_650, PrincessTrina_65
- Track 15 : Chocolat_62, MoyaNatalis_62, Colucci_64, Chubster_63, RosiePosie_61, JayCookie_63
- Track 16 : JaNo_65, Mordred_65
- Track 17 : Kabreeze_65, HumptyDumpty_65
- Track 18 : KBurrousTX_62
- Track 19 : Linus_65
- Track 20 : DrYang_64

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

The start number called the most often in the published annotations is 10, it was called in 31 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon_44, Beans_42, BigDome_44, Brent_42, Chipper1996_650, Chocolat_65, Chubster_66, Conboy_64, EdgarPoe_64, Franzy_42, GravityBall_44, Grekaycon_44, HumptyDumpty_65, JKerns_44, JaNo_65, Jordan_44, Kabreeze_65, LeeroyJ_44, Linus_65, Martha_44, Mordred_65, MoyaNatalis_65, NathanVaag_42, Piccoletto_42, Pippa_46, PrincessTrina_65, Sonny_44, StevieBAY_44,

TaeYoung_44, Timinator_44, Tophat_65, Zartrosa_44,

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

-

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

- Chocolat_62, Chubster_63, Colucci_64, DrYang_64, HumptyDumpty_62, JayCookie_63, KBurrousTX_62, Kabreeze_62, Linus_62, MoyaNatalis_62, Nikan_61, RosiePosie_61,

Summary by start number:

Start 10:

- Found in 32 of 44 (72.7%) of genes in pham
- Manual Annotations of this start: 31 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon_44 (AO2), Beans_42 (AO1), BigDome_44 (AO2), Brent_42 (AO1), Chipper1996_650 (AR), Chocolat_65 (AR), Chubster_66 (AR), Conboy_64 (AR), EdgarPoe_64 (AR), Franz_42 (AO1), GravityBall_44 (AO2), Grekaycon_44 (AO2), HumptyDumpty_65 (AR), JKerns_44 (AO2), JaNo_65 (AR), Jordan_44 (AO2), Kabreeze_65 (AR), LeeroyJ_44 (AO2), Linus_65 (AR), Martha_44 (AO2), Mordred_65 (AR), MoyaNatalis_65 (AR), NathanVaag_42 (AO1), Piccoletto_42 (AO1), Pippa_46 (AO2), PrincessTrina_65 (AR), Sonny_44 (AO2), StevieBAY_44 (AO2), TaeYoung_44 (AO2), Timinator_44 (AO2), Tophat_65 (AR), Zartrosa_44 (AO2),

Start 11:

- Found in 1 of 44 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DrYang_64 (AR),

Start 13:

- Found in 10 of 44 (22.7%) of genes in pham
- Manual Annotations of this start: 5 of 41
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Chocolat_62 (AR), Chubster_63 (AR), Colucci_64 (AR), JayCookie_63 (AR), MoyaNatalis_62 (AR), RosiePosie_61 (AR),

Start 16:

- Found in 1 of 44 (2.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nikan_61 (AP2),

Start 17:

- Found in 10 of 44 (22.7%) of genes in pham
- Manual Annotations of this start: 4 of 41
- Called 40.0% of time when present
- Phage (with cluster) where this start called: HumptyDumpty_62 (AR), KBurrousTX_62 (AR), Kabreeze_62 (AR), Linus_62 (AR),

Summary by clusters:

There are 4 clusters represented in this pham: AP2, AR, AO2, AO1,

Info for manual annotations of cluster AO1:

- Start number 10 was manually annotated 5 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 10 was manually annotated 14 times for cluster AO2.

Info for manual annotations of cluster AR:

- Start number 10 was manually annotated 12 times for cluster AR.
- Start number 11 was manually annotated 1 time for cluster AR.
- Start number 13 was manually annotated 5 times for cluster AR.
- Start number 17 was manually annotated 4 times for cluster AR.

Gene Information:

Gene: BarretLemon_44 Start: 34970, Stop: 35122, Start Num: 10

Candidate Starts for BarretLemon_44:

(2, 34739), (Start: 10 @34970 has 31 MA's), (26, 35099),

Gene: Beans_42 Start: 34760, Stop: 34993, Start Num: 10

Candidate Starts for Beans_42:

(6, 34589), (Start: 10 @34760 has 31 MA's), (18, 34823), (26, 34970),

Gene: BigDome_44 Start: 34994, Stop: 35146, Start Num: 10

Candidate Starts for BigDome_44:

(2, 34763), (Start: 10 @34994 has 31 MA's), (26, 35123),

Gene: Brent_42 Start: 34704, Stop: 34937, Start Num: 10

Candidate Starts for Brent_42:

(Start: 10 @34704 has 31 MA's), (18, 34767), (26, 34914),

Gene: Chipper1996_650 Start: 45331, Stop: 45504, Start Num: 10

Candidate Starts for Chipper1996_650:

(Start: 10 @45331 has 31 MA's), (15, 45367), (18, 45382),

Gene: Chocolat_65 Start: 45356, Stop: 45529, Start Num: 10

Candidate Starts for Chocolat_65:

(Start: 10 @45356 has 31 MA's), (15, 45392), (18, 45407),

Gene: Chocolat_62 Start: 44717, Stop: 44875, Start Num: 13

Candidate Starts for Chocolat_62:

(Start: 13 @44717 has 5 MA's), (Start: 17 @44726 has 4 MA's), (19, 44777), (20, 44789), (21, 44798), (25, 44867),

Gene: Chubster_66 Start: 45508, Stop: 45681, Start Num: 10

Candidate Starts for Chubster_66:

(Start: 10 @45508 has 31 MA's), (15, 45544), (18, 45559),

Gene: Chubster_63 Start: 44869, Stop: 45027, Start Num: 13

Candidate Starts for Chubster_63:

(Start: 13 @44869 has 5 MA's), (Start: 17 @44878 has 4 MA's), (19, 44929), (20, 44941), (21, 44950), (25, 45019),

Gene: Colucci_64 Start: 44773, Stop: 44931, Start Num: 13

Candidate Starts for Colucci_64:

(Start: 13 @44773 has 5 MA's), (Start: 17 @44782 has 4 MA's), (19, 44833), (20, 44845), (21, 44854), (25, 44923),

Gene: Conboy_64 Start: 45195, Stop: 45368, Start Num: 10

Candidate Starts for Conboy_64:

(Start: 10 @45195 has 31 MA's), (15, 45231), (18, 45246),

Gene: DrYang_64 Start: 46974, Stop: 47150, Start Num: 11

Candidate Starts for DrYang_64:

(Start: 11 @46974 has 1 MA's), (15, 47001), (18, 47016),

Gene: EdgarPoe_64 Start: 45195, Stop: 45368, Start Num: 10

Candidate Starts for EdgarPoe_64:

(Start: 10 @45195 has 31 MA's), (15, 45231), (18, 45246),

Gene: Franzy_42 Start: 34720, Stop: 34953, Start Num: 10

Candidate Starts for Franzy_42:

(Start: 10 @34720 has 31 MA's), (18, 34783), (26, 34930),

Gene: GravityBall_44 Start: 34997, Stop: 35182, Start Num: 10

Candidate Starts for GravityBall_44:

(2, 34769), (Start: 10 @34997 has 31 MA's), (18, 35009), (26, 35159),

Gene: Grekaycon_44 Start: 34909, Stop: 35142, Start Num: 10

Candidate Starts for Grekaycon_44:

(Start: 10 @34909 has 31 MA's), (18, 34972), (26, 35119),

Gene: HumptyDumpty_62 Start: 44665, Stop: 44814, Start Num: 17

Candidate Starts for HumptyDumpty_62:

(Start: 13 @44656 has 5 MA's), (Start: 17 @44665 has 4 MA's), (19, 44716), (20, 44728), (21, 44737), (25, 44806),

Gene: HumptyDumpty_65 Start: 45295, Stop: 45468, Start Num: 10

Candidate Starts for HumptyDumpty_65:

(Start: 10 @45295 has 31 MA's), (15, 45331),

Gene: JKerns_44 Start: 34994, Stop: 35236, Start Num: 10

Candidate Starts for JKerns_44:

(1, 34610), (4, 34808), (8, 34874), (9, 34892), (Start: 10 @34994 has 31 MA's), (22, 35159), (23, 35162), (26, 35213),

Gene: JaNo_65 Start: 45418, Stop: 45591, Start Num: 10

Candidate Starts for JaNo_65:

(Start: 10 @45418 has 31 MA's), (15, 45454), (18, 45469),

Gene: JayCookie_63 Start: 45128, Stop: 45286, Start Num: 13

Candidate Starts for JayCookie_63:

(Start: 13 @45128 has 5 MA's), (Start: 17 @45137 has 4 MA's), (19, 45188), (20, 45200), (21, 45209), (25, 45278),

Gene: Jordan_44 Start: 34995, Stop: 35228, Start Num: 10

Candidate Starts for Jordan_44:

(Start: 10 @34995 has 31 MA's), (18, 35058), (26, 35205),

Gene: KBurrousTX_62 Start: 46014, Stop: 46151, Start Num: 17

Candidate Starts for KBurrousTX_62:

(Start: 13 @46005 has 5 MA's), (Start: 17 @46014 has 4 MA's), (19, 46065), (21, 46086), (24, 46137),

Gene: Kabreeze_62 Start: 44744, Stop: 44893, Start Num: 17

Candidate Starts for Kabreeze_62:

(Start: 13 @44735 has 5 MA's), (Start: 17 @44744 has 4 MA's), (19, 44795), (20, 44807), (21, 44816), (25, 44885),

Gene: Kabreeze_65 Start: 45374, Stop: 45547, Start Num: 10

Candidate Starts for Kabreeze_65:

(Start: 10 @45374 has 31 MA's), (15, 45410),

Gene: LeeroyJ_44 Start: 34936, Stop: 35121, Start Num: 10

Candidate Starts for LeeroyJ_44:

(2, 34708), (3, 34720), (Start: 10 @34936 has 31 MA's), (18, 34948), (26, 35098),

Gene: Linus_65 Start: 45497, Stop: 45670, Start Num: 10

Candidate Starts for Linus_65:

(Start: 10 @45497 has 31 MA's), (14, 45530), (15, 45533), (18, 45548),

Gene: Linus_62 Start: 44867, Stop: 45016, Start Num: 17

Candidate Starts for Linus_62:

(Start: 13 @44858 has 5 MA's), (Start: 17 @44867 has 4 MA's), (19, 44918), (20, 44930), (21, 44939), (25, 45008),

Gene: Martha_44 Start: 34886, Stop: 35119, Start Num: 10

Candidate Starts for Martha_44:

(Start: 10 @34886 has 31 MA's), (18, 34949), (26, 35096),

Gene: Mordred_65 Start: 45412, Stop: 45585, Start Num: 10

Candidate Starts for Mordred_65:

(Start: 10 @45412 has 31 MA's), (15, 45448), (18, 45463),

Gene: MoyaNatalis_65 Start: 45343, Stop: 45516, Start Num: 10

Candidate Starts for MoyaNatalis_65:

(Start: 10 @45343 has 31 MA's), (15, 45379), (18, 45394),

Gene: MoyaNatalis_62 Start: 44704, Stop: 44862, Start Num: 13

Candidate Starts for MoyaNatalis_62:

(Start: 13 @44704 has 5 MA's), (Start: 17 @44713 has 4 MA's), (19, 44764), (20, 44776), (21, 44785), (25, 44854),

Gene: NathanVaag_42 Start: 34655, Stop: 34888, Start Num: 10

Candidate Starts for NathanVaag_42:

(4, 34481), (5, 34517), (6, 34520), (7, 34538), (Start: 10 @34655 has 31 MA's), (18, 34718), (26, 34865),

Gene: Nikan_61 Start: 41306, Stop: 41169, Start Num: 16
Candidate Starts for Nikan_61:
(16, 41306),

Gene: Piccoletto_42 Start: 34680, Stop: 34913, Start Num: 10
Candidate Starts for Piccoletto_42:
(2, 34461), (4, 34506), (5, 34542), (6, 34545), (7, 34563), (Start: 10 @34680 has 31 MA's), (18, 34743), (26, 34890),

Gene: Pippa_46 Start: 35371, Stop: 35607, Start Num: 10
Candidate Starts for Pippa_46:
(Start: 10 @35371 has 31 MA's), (12, 35398), (23, 35533), (26, 35584),

Gene: PrincessTrina_65 Start: 45399, Stop: 45572, Start Num: 10
Candidate Starts for PrincessTrina_65:
(Start: 10 @45399 has 31 MA's), (15, 45435), (18, 45450),

Gene: RosiePosie_61 Start: 44394, Stop: 44552, Start Num: 13
Candidate Starts for RosiePosie_61:
(Start: 13 @44394 has 5 MA's), (Start: 17 @44403 has 4 MA's), (19, 44454), (20, 44466), (21, 44475), (25, 44544),

Gene: Sonny_44 Start: 35004, Stop: 35237, Start Num: 10
Candidate Starts for Sonny_44:
(Start: 10 @35004 has 31 MA's), (18, 35067), (26, 35214),

Gene: StevieBAY_44 Start: 34997, Stop: 35182, Start Num: 10
Candidate Starts for StevieBAY_44:
(2, 34769), (Start: 10 @34997 has 31 MA's), (18, 35009), (26, 35159),

Gene: TaeYoung_44 Start: 34910, Stop: 35143, Start Num: 10
Candidate Starts for TaeYoung_44:
(Start: 10 @34910 has 31 MA's), (18, 34973), (26, 35120),

Gene: Timinator_44 Start: 34936, Stop: 35121, Start Num: 10
Candidate Starts for Timinator_44:
(2, 34708), (3, 34720), (Start: 10 @34936 has 31 MA's), (18, 34948), (26, 35098),

Gene: Tophat_65 Start: 45332, Stop: 45505, Start Num: 10
Candidate Starts for Tophat_65:
(Start: 10 @45332 has 31 MA's), (15, 45368), (18, 45383),

Gene: Zartrosa_44 Start: 34947, Stop: 35189, Start Num: 10
Candidate Starts for Zartrosa_44:
(4, 34761), (8, 34827), (9, 34845), (Start: 10 @34947 has 31 MA's), (22, 35112), (23, 35115), (26, 35166),