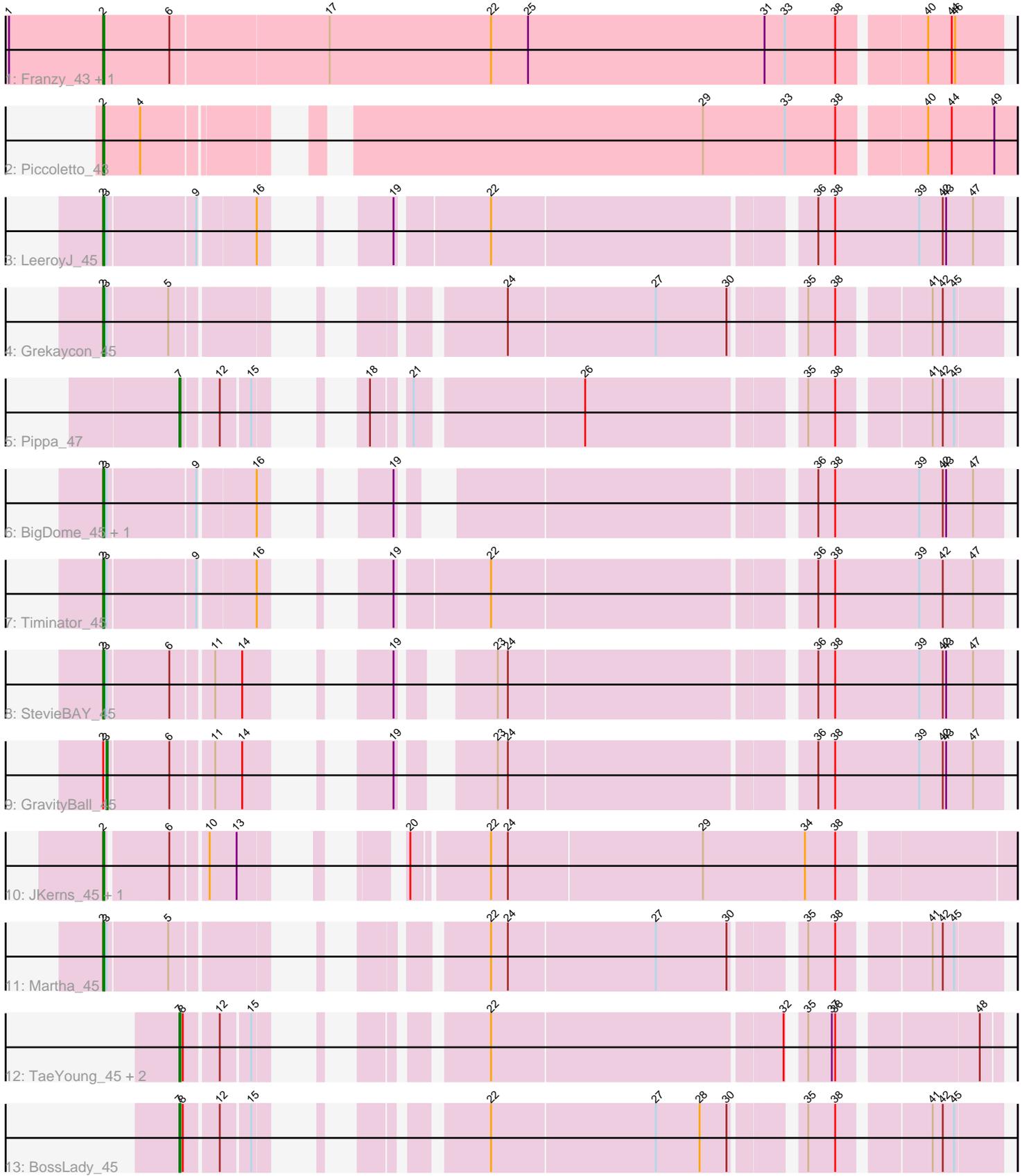# Pham 287146

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 287146 Report

This analysis was run 03/28/26 on database version 641.

Pham number 287146 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Franzy_43, Brent_43
• Track 2 : Piccoletto_43
• Track 3 : LeeroyJ_45
• Track 4 : Grekaycon_45
• Track 5 : Pippa_47
• Track 6 : BigDome_45, BarretLemon_45
• Track 7 : Timinator_45
• Track 8 : StevieBAY_45
• Track 9 : GravityBall_45
• Track 10 : JKerns_45, Zartrosa_45
• Track 11 : Martha_45
• Track 12 : TaeYoung_45, Sonny_45, Jordan_45
• Track 13 : BossLady_45

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

The start number called the most often in the published annotations is 2, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarretLemon_45, BigDome_45, Brent_43, Franzy_43, Grekaycon_45, JKerns_45, LeeroyJ_45, Martha_45, Piccoletto_43, StevieBAY_45, Timinator_45, Zartrosa_45,

Genes that have the "Most Annotated" start but do not call it:
• GravityBall_45,

Genes that do not have the "Most Annotated" start:
• BossLady_45, Jordan_45, Pippa_47, Sonny_45, TaeYoung_45,

Summary by start number:

Start 2:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 11 of 17

• Called 92.3% of time when present
• Phage (with cluster) where this start called: BarretLemon_45 (AO2), BigDome_45 (AO2), Brent_43 (AO1), Franzy_43 (AO1), Grekaycon_45 (AO2), JKerns_45 (AO2), LeeroyJ_45 (AO2), Martha_45 (AO2), Piccoletto_43 (AO1), StevieBAY_45 (AO2), Timinator_45 (AO2), Zartrosa_45 (AO2),

Start 3:
• Found in 8 of 18 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 12.5% of time when present
• Phage (with cluster) where this start called: GravityBall_45 (AO2),

Start 7:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BossLady_45 (AO2), Jordan_45 (AO2), Pippa_47 (AO2), Sonny_45 (AO2), TaeYoung_45 (AO2),

Summary by clusters:

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:
•Start number 2 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 2 was manually annotated 8 times for cluster AO2.
•Start number 3 was manually annotated 1 time for cluster AO2.
•Start number 7 was manually annotated 5 times for cluster AO2.

Gene Information:
Gene: BarretLemon_45 Start: 35119, Stop: 35763, Start Num: 2
Candidate Starts for BarretLemon_45:
(Start: 2 @35119 has 11 MA's), (Start: 3 @35122 has 1 MA's), (9, 35194), (16, 35239), (19, 35287), (36, 35599), (38, 35614), (39, 35689), (42, 35710), (43, 35713), (47, 35737),

Gene: BigDome_45 Start: 35143, Stop: 35787, Start Num: 2
Candidate Starts for BigDome_45:
(Start: 2 @35143 has 11 MA's), (Start: 3 @35146 has 1 MA's), (9, 35218), (16, 35263), (19, 35311), (36, 35623), (38, 35638), (39, 35713), (42, 35734), (43, 35737), (47, 35761),

Gene: BossLady_45 Start: 35181, Stop: 35759, Start Num: 7
Candidate Starts for BossLady_45:
(Start: 7 @35181 has 5 MA's), (8, 35184), (12, 35211), (15, 35235), (22, 35346), (27, 35490), (28, 35529), (30, 35553), (35, 35604), (38, 35628), (41, 35700), (42, 35709), (45, 35718),

Gene: Brent_43 Start: 34934, Stop: 35713, Start Num: 2
Candidate Starts for Brent_43:

(1, 34850), (Start: 2 @34934 has 11 MA's), (6, 34991), (17, 35129), (22, 35273), (25, 35306), (31, 35516), (33, 35534), (38, 35579), (40, 35648), (44, 35669), (46, 35672),

Gene: Franzy_43 Start: 34950, Stop: 35729, Start Num: 2
Candidate Starts for Franzy_43:
(1, 34866), (Start: 2 @34950 has 11 MA's), (6, 35007), (17, 35145), (22, 35289), (25, 35322), (31, 35532), (33, 35550), (38, 35595), (40, 35664), (44, 35685), (46, 35688),

Gene: GravityBall_45 Start: 35182, Stop: 35835, Start Num: 3
Candidate Starts for GravityBall_45:
(Start: 2 @35179 has 11 MA's), (Start: 3 @35182 has 1 MA's), (6, 35233), (11, 35266), (14, 35290), (19, 35353), (23, 35410), (24, 35419), (36, 35671), (38, 35686), (39, 35761), (42, 35782), (43, 35785), (47, 35809),

Gene: Grekaycon_45 Start: 35139, Stop: 35786, Start Num: 2
Candidate Starts for Grekaycon_45:
(Start: 2 @35139 has 11 MA's), (Start: 3 @35142 has 1 MA's), (5, 35193), (24, 35388), (27, 35517), (30, 35580), (35, 35631), (38, 35655), (41, 35727), (42, 35736), (45, 35745),

Gene: JKerns_45 Start: 35233, Stop: 35910, Start Num: 2
Candidate Starts for JKerns_45:
(Start: 2 @35233 has 11 MA's), (6, 35284), (10, 35311), (13, 35335), (20, 35401), (22, 35464), (24, 35479), (29, 35650), (34, 35740), (38, 35767),

Gene: Jordan_45 Start: 35225, Stop: 35800, Start Num: 7
Candidate Starts for Jordan_45:
(Start: 7 @35225 has 5 MA's), (8, 35228), (12, 35255), (15, 35279), (22, 35390), (32, 35639), (35, 35648), (37, 35669), (38, 35672), (48, 35783),

Gene: LeeroyJ_45 Start: 35118, Stop: 35792, Start Num: 2
Candidate Starts for LeeroyJ_45:
(Start: 2 @35118 has 11 MA's), (Start: 3 @35121 has 1 MA's), (9, 35193), (16, 35238), (19, 35286), (22, 35361), (36, 35628), (38, 35643), (39, 35718), (42, 35739), (43, 35742), (47, 35766),

Gene: Martha_45 Start: 35116, Stop: 35763, Start Num: 2
Candidate Starts for Martha_45:
(Start: 2 @35116 has 11 MA's), (Start: 3 @35119 has 1 MA's), (5, 35170), (22, 35350), (24, 35365), (27, 35494), (30, 35557), (35, 35608), (38, 35632), (41, 35704), (42, 35713), (45, 35722),

Gene: Piccoletto_43 Start: 34910, Stop: 35635, Start Num: 2
Candidate Starts for Piccoletto_43:
(Start: 2 @34910 has 11 MA's), (4, 34943), (29, 35372), (33, 35444), (38, 35489), (40, 35558), (44, 35579), (49, 35615),

Gene: Pippa_47 Start: 35604, Stop: 36182, Start Num: 7
Candidate Starts for Pippa_47:
(Start: 7 @35604 has 5 MA's), (12, 35631), (15, 35655), (18, 35685), (21, 35712), (26, 35850), (35, 36027), (38, 36051), (41, 36123), (42, 36132), (45, 36141),

Gene: Sonny_45 Start: 35234, Stop: 35809, Start Num: 7
Candidate Starts for Sonny_45:
(Start: 7 @35234 has 5 MA's), (8, 35237), (12, 35264), (15, 35288), (22, 35399), (32, 35648), (35, 35657), (37, 35678), (38, 35681), (48, 35792),

Gene: StevieBAY_45 Start: 35179, Stop: 35835, Start Num: 2
Candidate Starts for StevieBAY_45:
(Start: 2 @35179 has 11 MA's), (Start: 3 @35182 has 1 MA's), (6, 35233), (11, 35266), (14, 35290), (19, 35353), (23, 35410), (24, 35419), (36, 35671), (38, 35686), (39, 35761), (42, 35782), (43, 35785), (47, 35809),

Gene: TaeYoung_45 Start: 35140, Stop: 35715, Start Num: 7
Candidate Starts for TaeYoung_45:
(Start: 7 @35140 has 5 MA's), (8, 35143), (12, 35170), (15, 35194), (22, 35305), (32, 35554), (35, 35563), (37, 35584), (38, 35587), (48, 35698),

Gene: Timinator_45 Start: 35118, Stop: 35792, Start Num: 2
Candidate Starts for Timinator_45:
(Start: 2 @35118 has 11 MA's), (Start: 3 @35121 has 1 MA's), (9, 35193), (16, 35238), (19, 35286), (22, 35361), (36, 35628), (38, 35643), (39, 35718), (42, 35739), (47, 35766),

Gene: Zartrosa_45 Start: 35186, Stop: 35863, Start Num: 2
Candidate Starts for Zartrosa_45:
(Start: 2 @35186 has 11 MA's), (6, 35237), (10, 35264), (13, 35288), (20, 35354), (22, 35417), (24, 35432), (29, 35603), (34, 35693), (38, 35720),