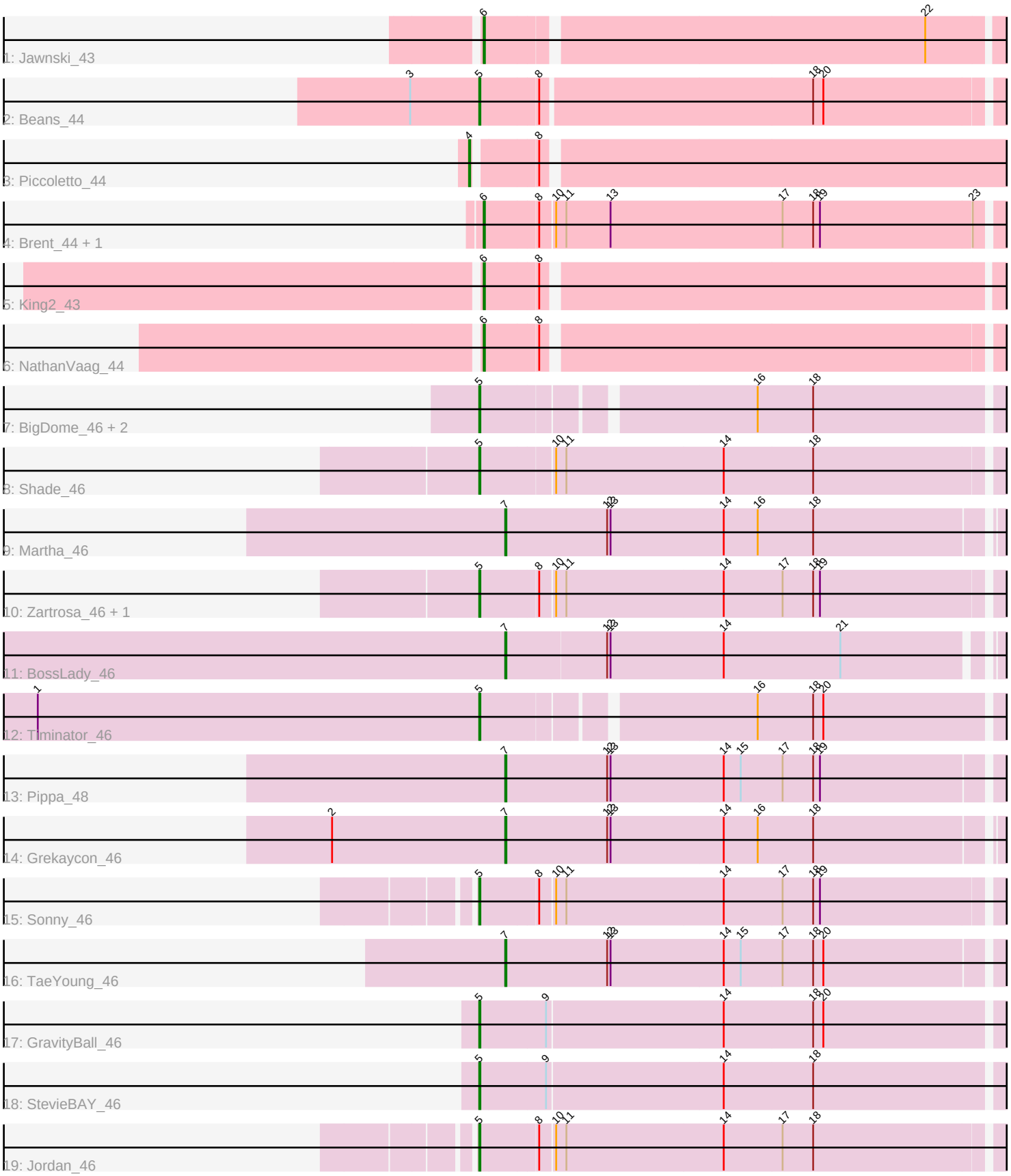
Pham 338522


1: Jawnski_43
2: Beans_44
3: Piccoletto_44
4: Brent_44 + 1
5: King2_43
6: NathanVaag_44
7: BigDome_46 + 2
8: Shade_46
9: Martha_46
10: Zartrosa_46 + 1
11: BossLady_46
12: Timinator_46
13: Pippa_48
14: Grekaycon_46
15: Sonny_46
16: TaeYoung_46
17: GravityBall_46
18: StevieBAY_46
19: Jordan_46

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 338522 Report

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

Pham number 338522 has 23 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Jawnski_43
- Track 2 : Beans_44
- Track 3 : Piccoletto_44
- Track 4 : Brent_44, Franzy_44
- Track 5 : King2_43
- Track 6 : NathanVaag_44
- Track 7 : BigDome_46, BarretLemon_46, LeeroyJ_46
- Track 8 : Shade_46
- Track 9 : Martha_46
- Track 10 : Zartrosa_46, JKerns_46
- Track 11 : BossLady_46
- Track 12 : Timinator_46
- Track 13 : Pippa_48
- Track 14 : Grekaycon_46
- Track 15 : Sonny_46
- Track 16 : TaeYoung_46
- Track 17 : GravityBall_46
- Track 18 : StevieBAY_46
- Track 19 : Jordan_46

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

The start number called the most often in the published annotations is 5, it was called in 12 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BarretLemon_46, Beans_44, BigDome_46, GravityBall_46, JKerns_46, Jordan_46, LeeroyJ_46, Shade_46, Sonny_46, StevieBAY_46, Timinator_46, Zartrosa_46,

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

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

• BossLady_46, Brent_44, Franzy_44, Grekaycon_46, Jawnski_43, King2_43, Martha_46, NathanVaag_44, Piccoletto_44, Pippa_48, TaeYoung_46,

Summary by start number:

Start 4:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Piccoletto_44 (AO1),

Start 5:
• Found in 12 of 23 (52.2%) of genes in pham
• Manual Annotations of this start: 12 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_46 (AO2), Beans_44 (AO1), BigDome_46 (AO2), GravityBall_46 (AO2), JKerns_46 (AO2), Jordan_46 (AO2), LeeroyJ_46 (AO2), Shade_46 (AO2), Sonny_46 (AO2), StevieBAY_46 (AO2), Timinator_46 (AO2), Zartrosa_46 (AO2),

Start 6:
• Found in 5 of 23 (21.7%) of genes in pham
• Manual Annotations of this start: 5 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brent_44 (AO1), Franzy_44 (AO1), Jawnski_43 (AO1), King2_43 (AO1), NathanVaag_44 (AO1),

Start 7:
• Found in 5 of 23 (21.7%) of genes in pham
• Manual Annotations of this start: 5 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BossLady_46 (AO2), Grekaycon_46 (AO2), Martha_46 (AO2), Pippa_48 (AO2), TaeYoung_46 (AO2),

Summary by clusters:

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

Info for manual annotations of cluster AO1:
•Start number 4 was manually annotated 1 time for cluster AO1.
•Start number 5 was manually annotated 1 time for cluster AO1.
•Start number 6 was manually annotated 5 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 5 was manually annotated 11 times for cluster AO2.
•Start number 7 was manually annotated 5 times for cluster AO2.

Gene Information:

Gene: BarretLemon_46 Start: 35756, Stop: 36196, Start Num: 5
Candidate Starts for BarretLemon_46:

(Start: 5 @35756 has 12 MA's), (16, 35975), (18, 36023),

Gene: Beans_44 Start: 35537, Stop: 35989, Start Num: 5
Candidate Starts for Beans_44:
(3, 35477), (Start: 5 @35537 has 12 MA's), (8, 35585), (18, 35819), (20, 35828),

Gene: BigDome_46 Start: 35780, Stop: 36220, Start Num: 5
Candidate Starts for BigDome_46:
(Start: 5 @35780 has 12 MA's), (16, 35999), (18, 36047),

Gene: BossLady_46 Start: 35752, Stop: 36180, Start Num: 7
Candidate Starts for BossLady_46:
(Start: 7 @35752 has 5 MA's), (12, 35839), (13, 35842), (14, 35941), (21, 36043),

Gene: Brent_44 Start: 35710, Stop: 36162, Start Num: 6
Candidate Starts for Brent_44:
(Start: 6 @35710 has 5 MA's), (8, 35755), (10, 35767), (11, 35776), (13, 35815), (17, 35965), (18, 35992), (19, 35998), (23, 36130),

Gene: Franzy_44 Start: 35726, Stop: 36178, Start Num: 6
Candidate Starts for Franzy_44:
(Start: 6 @35726 has 5 MA's), (8, 35771), (10, 35783), (11, 35792), (13, 35831), (17, 35981), (18, 36008), (19, 36014), (23, 36146),

Gene: GravityBall_46 Start: 35828, Stop: 36292, Start Num: 5
Candidate Starts for GravityBall_46:
(Start: 5 @35828 has 12 MA's), (9, 35885), (14, 36038), (18, 36116), (20, 36125),

Gene: Grekaycon_46 Start: 35779, Stop: 36219, Start Num: 7
Candidate Starts for Grekaycon_46:
(2, 35626), (Start: 7 @35779 has 5 MA's), (12, 35869), (13, 35872), (14, 35971), (16, 36001), (18, 36049),

Gene: JKerns_46 Start: 35903, Stop: 36364, Start Num: 5
Candidate Starts for JKerns_46:
(Start: 5 @35903 has 12 MA's), (8, 35951), (10, 35963), (11, 35972), (14, 36110), (17, 36161), (18, 36188), (19, 36194),

Gene: Jawnski_43 Start: 35252, Stop: 35698, Start Num: 6
Candidate Starts for Jawnski_43:
(Start: 6 @35252 has 5 MA's), (22, 35624),

Gene: Jordan_46 Start: 35793, Stop: 36251, Start Num: 5
Candidate Starts for Jordan_46:
(Start: 5 @35793 has 12 MA's), (8, 35841), (10, 35853), (11, 35862), (14, 36000), (17, 36051), (18, 36078),

Gene: King2_43 Start: 35563, Stop: 36009, Start Num: 6
Candidate Starts for King2_43:
(Start: 6 @35563 has 5 MA's), (8, 35608),

Gene: LeeroyJ_46 Start: 35785, Stop: 36225, Start Num: 5
Candidate Starts for LeeroyJ_46:

(Start: 5 @35785 has 12 MA's), (16, 36004), (18, 36052),

Gene: Martha_46 Start: 35756, Stop: 36193, Start Num: 7
Candidate Starts for Martha_46:
(Start: 7 @35756 has 5 MA's), (12, 35846), (13, 35849), (14, 35948), (16, 35978), (18, 36026),

Gene: NathanVaag_44 Start: 35496, Stop: 35939, Start Num: 6
Candidate Starts for NathanVaag_44:
(Start: 6 @35496 has 5 MA's), (8, 35541),

Gene: Piccoletto_44 Start: 35628, Stop: 36086, Start Num: 4
Candidate Starts for Piccoletto_44:
(Start: 4 @35628 has 1 MA's), (8, 35676),

Gene: Pippa_48 Start: 36175, Stop: 36618, Start Num: 7
Candidate Starts for Pippa_48:
(Start: 7 @36175 has 5 MA's), (12, 36265), (13, 36268), (14, 36367), (15, 36382), (17, 36418), (18, 36445), (19, 36451),

Gene: Shade_46 Start: 35661, Stop: 36122, Start Num: 5
Candidate Starts for Shade_46:
(Start: 5 @35661 has 12 MA's), (10, 35721), (11, 35730), (14, 35868), (18, 35946),

Gene: Sonny_46 Start: 35802, Stop: 36263, Start Num: 5
Candidate Starts for Sonny_46:
(Start: 5 @35802 has 12 MA's), (8, 35850), (10, 35862), (11, 35871), (14, 36009), (17, 36060), (18, 36087), (19, 36093),

Gene: StevieBAY_46 Start: 35828, Stop: 36289, Start Num: 5
Candidate Starts for StevieBAY_46:
(Start: 5 @35828 has 12 MA's), (9, 35885), (14, 36038), (18, 36116),

Gene: TaeYoung_46 Start: 35708, Stop: 36148, Start Num: 7
Candidate Starts for TaeYoung_46:
(Start: 7 @35708 has 5 MA's), (12, 35798), (13, 35801), (14, 35900), (15, 35915), (17, 35951), (18, 35978), (20, 35987),

Gene: Timinator_46 Start: 35785, Stop: 36225, Start Num: 5
Candidate Starts for Timinator_46:
(1, 35395), (Start: 5 @35785 has 12 MA's), (16, 36004), (18, 36052), (20, 36061),

Gene: Zartrosa_46 Start: 35856, Stop: 36314, Start Num: 5
Candidate Starts for Zartrosa_46:
(Start: 5 @35856 has 12 MA's), (8, 35904), (10, 35916), (11, 35925), (14, 36063), (17, 36114), (18, 36141), (19, 36147),