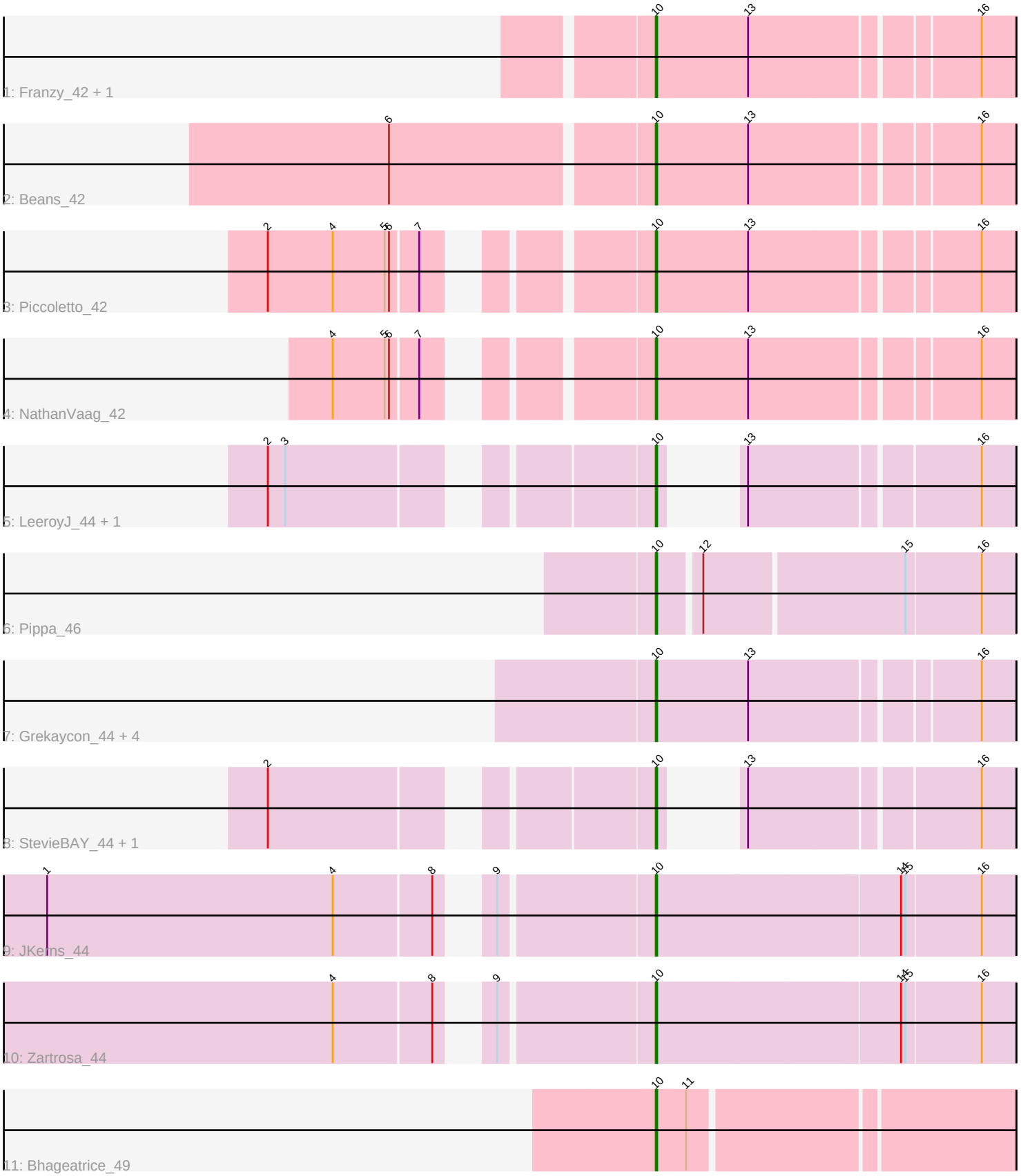
Pham 291591


10
13
16
1: Franzy_42 + 1
6
10
13
16
2: Beans_42
2
4
5
6
7
10
13
16
3: Piccoletto_42
4
5
6
7
10
13
16
4: NathanVaag_42
2
3
10
13
16
5: LeeroyJ_44 + 1
10
12
15
16
6: Pippa_46
10
13
16
7: Grekaycon_44 + 4
2
10
13
16
8: StevieBAY_44 + 1
1
4
8
9
10
14
15
16
9: JKerns_44
4
8
9
10
14
15
16
10: Zartrosa_44
10
11
11: Bhageatrice_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 291591 Report

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

Pham number 291591 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Franzy_42, Brent_42
• Track 2 : Beans_42
• Track 3 : Piccoletto_42
• Track 4 : NathanVaag_42
• Track 5 : LeeroyJ_44, Timinator_44
• Track 6 : Pippa_46
• Track 7 : Grekaycon_44, Jordan_44, Martha_44, Sonny_44, TaeYoung_44
• Track 8 : StevieBAY_44, GravityBall_44
• Track 9 : JKerns_44
• Track 10 : Zartrosa_44
• Track 11 : Bhageatrice_49

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beans_42, Bhageatrice_49, Brent_42, Franzy_42, GravityBall_44, Grekaycon_44, JKerns_44, Jordan_44, LeeroyJ_44, Martha_44, NathanVaag_42, Piccoletto_42, Pippa_46, Sonny_44, StevieBAY_44, TaeYoung_44, Timinator_44, Zartrosa_44,

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

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

Summary by start number:

Start 10:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beans_42 (AO1), Bhageatrice_49 (AY), Brent_42 (AO1), Franzy_42 (AO1), GravityBall_44 (AO2), Grekaycon_44 (AO2), JKerns_44 (AO2), Jordan_44 (AO2), LeeroyJ_44 (AO2), Martha_44 (AO2), NathanVaag_42 (AO1), Piccoletto_42 (AO1), Pippa_46 (AO2), Sonny_44 (AO2), StevieBAY_44 (AO2), TaeYoung_44 (AO2), Timinator_44 (AO2), Zartrosa_44 (AO2),

Summary by clusters:

There are 3 clusters represented in this pham: AY, 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 12 times for cluster AO2.

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: Beans_42 Start: 34760, Stop: 34993, Start Num: 10
Candidate Starts for Beans_42:
(6, 34589), (Start: 10 @34760 has 18 MA's), (13, 34823), (16, 34970),

Gene: Bhageatrice_49 Start: 32024, Stop: 32257, Start Num: 10
Candidate Starts for Bhageatrice_49:
(Start: 10 @32024 has 18 MA's), (11, 32045),

Gene: Brent_42 Start: 34704, Stop: 34937, Start Num: 10
Candidate Starts for Brent_42:
(Start: 10 @34704 has 18 MA's), (13, 34767), (16, 34914),

Gene: Franzy_42 Start: 34720, Stop: 34953, Start Num: 10
Candidate Starts for Franzy_42:
(Start: 10 @34720 has 18 MA's), (13, 34783), (16, 34930),

Gene: GravityBall_44 Start: 34997, Stop: 35182, Start Num: 10
Candidate Starts for GravityBall_44:
(2, 34769), (Start: 10 @34997 has 18 MA's), (13, 35009), (16, 35159),

Gene: Grekaycon_44 Start: 34909, Stop: 35142, Start Num: 10
Candidate Starts for Grekaycon_44:
(Start: 10 @34909 has 18 MA's), (13, 34972), (16, 35119),

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 18 MA's), (14, 35159), (15, 35162), (16, 35213),

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

Candidate Starts for Jordan_44:
(Start: 10 @34995 has 18 MA's), (13, 35058), (16, 35205),

Gene: LeeroyJ_44 Start: 34936, Stop: 35121, Start Num: 10
Candidate Starts for LeeroyJ_44:
(2, 34708), (3, 34720), (Start: 10 @34936 has 18 MA's), (13, 34948), (16, 35098),

Gene: Martha_44 Start: 34886, Stop: 35119, Start Num: 10
Candidate Starts for Martha_44:
(Start: 10 @34886 has 18 MA's), (13, 34949), (16, 35096),

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 18 MA's), (13, 34718), (16, 34865),

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 18 MA's), (13, 34743), (16, 34890),

Gene: Pippa_46 Start: 35371, Stop: 35607, Start Num: 10
Candidate Starts for Pippa_46:
(Start: 10 @35371 has 18 MA's), (12, 35398), (15, 35533), (16, 35584),

Gene: Sonny_44 Start: 35004, Stop: 35237, Start Num: 10
Candidate Starts for Sonny_44:
(Start: 10 @35004 has 18 MA's), (13, 35067), (16, 35214),

Gene: StevieBAY_44 Start: 34997, Stop: 35182, Start Num: 10
Candidate Starts for StevieBAY_44:
(2, 34769), (Start: 10 @34997 has 18 MA's), (13, 35009), (16, 35159),

Gene: TaeYoung_44 Start: 34910, Stop: 35143, Start Num: 10
Candidate Starts for TaeYoung_44:
(Start: 10 @34910 has 18 MA's), (13, 34973), (16, 35120),

Gene: Timinator_44 Start: 34936, Stop: 35121, Start Num: 10
Candidate Starts for Timinator_44:
(2, 34708), (3, 34720), (Start: 10 @34936 has 18 MA's), (13, 34948), (16, 35098),

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 18 MA's), (14, 35112), (15, 35115), (16, 35166),