Pham 280887

1: NathanVaag_31 + 2

2: Beans_31

3: King2_31

4: LeeroyJ_33 + 5

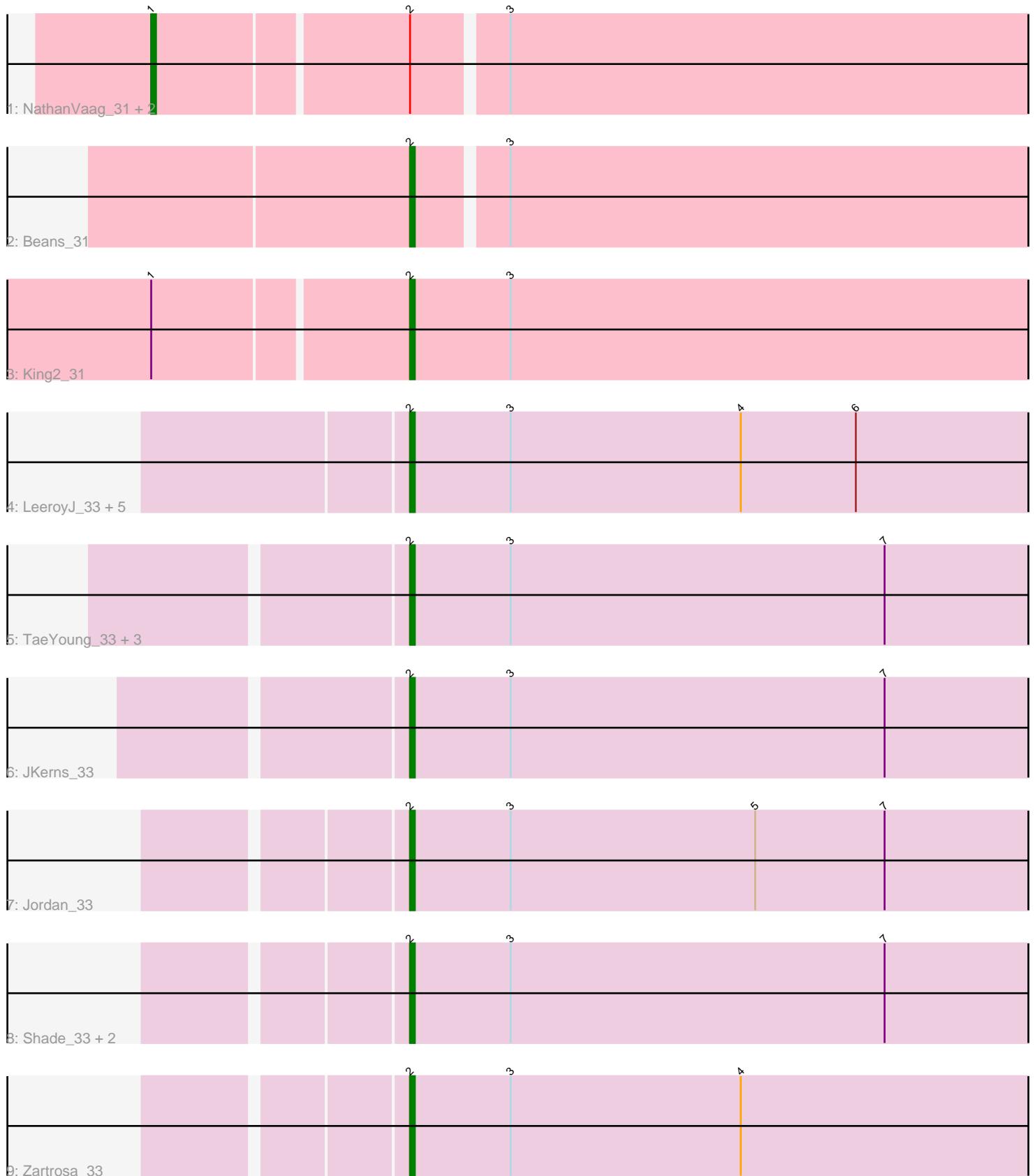5: TaeYoung_33 + 3

6: JKerns_33

7: Jordan_33

8: Shade_33 + 2

9: Zartrosa_33

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 280887 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280887 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : NathanVaag_31, Piccoletto_31, Jawnski_31
• Track 2 : Beans_31
• Track 3 : King2_31
• Track 4 : LeeroyJ_33, GravityBall_33, StevieBAY_33, BigDome_33, BarretLemon_33, Timinator_33
• Track 5 : TaeYoung_33, Grekaycon_33, BossLady_33, Martha_33
• Track 6 : JKerns_33
• Track 7 : Jordan_33
• Track 8 : Shade_33, Pippa_33, Sonny_33
• Track 9 : Zartrosa_33

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 17 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarretLemon_33, Beans_31, BigDome_33, BossLady_33, GravityBall_33, Grekaycon_33, JKerns_33, Jordan_33, King2_31, LeeroyJ_33, Martha_33, Pippa_33, Shade_33, Sonny_33, StevieBAY_33, TaeYoung_33, Timinator_33, Zartrosa_33,

Genes that have the "Most Annotated" start but do not call it:
• Jawnski_31, NathanVaag_31, Piccoletto_31,

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

Summary by start number:

Start 1:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 75.0% of time when present

• Phage (with cluster) where this start called: Jawnski_31 (AO1), NathanVaag_31 (AO1), Piccoletto_31 (AO1),

Start 2:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 20
• Called 85.7% of time when present
• Phage (with cluster) where this start called: BarretLemon_33 (AO2), Beans_31 (AO1), BigDome_33 (AO2), BossLady_33 (AO2), GravityBall_33 (AO2), Grekaycon_33 (AO2), JKerns_33 (AO2), Jordan_33 (AO2), King2_31 (AO1), LeeroyJ_33 (AO2), Martha_33 (AO2), Pippa_33 (AO2), Shade_33 (AO2), Sonny_33 (AO2), StevieBAY_33 (AO2), TaeYoung_33 (AO2), Timinator_33 (AO2), Zartrosa_33 (AO2),

Summary by clusters:

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

Info for manual annotations of cluster AO1:
•Start number 1 was manually annotated 3 times for cluster AO1.
•Start number 2 was manually annotated 2 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 2 was manually annotated 15 times for cluster AO2.

Gene Information:
Gene: BarretLemon_33 Start: 28674, Stop: 28808, Start Num: 2
Candidate Starts for BarretLemon_33:
(Start: 2 @28674 has 17 MA's), (3, 28695), (4, 28743), (6, 28767),

Gene: Beans_31 Start: 28364, Stop: 28495, Start Num: 2
Candidate Starts for Beans_31:
(Start: 2 @28364 has 17 MA's), (3, 28382),

Gene: BigDome_33 Start: 28666, Stop: 28800, Start Num: 2
Candidate Starts for BigDome_33:
(Start: 2 @28666 has 17 MA's), (3, 28687), (4, 28735), (6, 28759),

Gene: BossLady_33 Start: 28643, Stop: 28777, Start Num: 2
Candidate Starts for BossLady_33:
(Start: 2 @28643 has 17 MA's), (3, 28664), (7, 28742),

Gene: GravityBall_33 Start: 28673, Stop: 28807, Start Num: 2
Candidate Starts for GravityBall_33:
(Start: 2 @28673 has 17 MA's), (3, 28694), (4, 28742), (6, 28766),

Gene: Grekaycon_33 Start: 28589, Stop: 28723, Start Num: 2
Candidate Starts for Grekaycon_33:
(Start: 2 @28589 has 17 MA's), (3, 28610), (7, 28688),

Gene: JKerns_33 Start: 28535, Stop: 28669, Start Num: 2
Candidate Starts for JKerns_33:
(Start: 2 @28535 has 17 MA's), (3, 28556), (7, 28634),

Gene: Jawnski_31 Start: 28282, Stop: 28464, Start Num: 1
Candidate Starts for Jawnski_31:
(Start: 1 @28282 has 3 MA's), (Start: 2 @28333 has 17 MA's), (3, 28351),

Gene: Jordan_33 Start: 28585, Stop: 28719, Start Num: 2
Candidate Starts for Jordan_33:
(Start: 2 @28585 has 17 MA's), (3, 28606), (5, 28657), (7, 28684),

Gene: King2_31 Start: 28319, Stop: 28453, Start Num: 2
Candidate Starts for King2_31:
(Start: 1 @28268 has 3 MA's), (Start: 2 @28319 has 17 MA's), (3, 28340),

Gene: LeeroyJ_33 Start: 28673, Stop: 28807, Start Num: 2
Candidate Starts for LeeroyJ_33:
(Start: 2 @28673 has 17 MA's), (3, 28694), (4, 28742), (6, 28766),

Gene: Martha_33 Start: 28590, Stop: 28724, Start Num: 2
Candidate Starts for Martha_33:
(Start: 2 @28590 has 17 MA's), (3, 28611), (7, 28689),

Gene: NathanVaag_31 Start: 28285, Stop: 28467, Start Num: 1
Candidate Starts for NathanVaag_31:
(Start: 1 @28285 has 3 MA's), (Start: 2 @28336 has 17 MA's), (3, 28354),

Gene: Piccoletto_31 Start: 28286, Stop: 28468, Start Num: 1
Candidate Starts for Piccoletto_31:
(Start: 1 @28286 has 3 MA's), (Start: 2 @28337 has 17 MA's), (3, 28355),

Gene: Pippa_33 Start: 28714, Stop: 28848, Start Num: 2
Candidate Starts for Pippa_33:
(Start: 2 @28714 has 17 MA's), (3, 28735), (7, 28813),

Gene: Shade_33 Start: 28555, Stop: 28689, Start Num: 2
Candidate Starts for Shade_33:
(Start: 2 @28555 has 17 MA's), (3, 28576), (7, 28654),

Gene: Sonny_33 Start: 28585, Stop: 28719, Start Num: 2
Candidate Starts for Sonny_33:
(Start: 2 @28585 has 17 MA's), (3, 28606), (7, 28684),

Gene: StevieBAY_33 Start: 28673, Stop: 28807, Start Num: 2
Candidate Starts for StevieBAY_33:
(Start: 2 @28673 has 17 MA's), (3, 28694), (4, 28742), (6, 28766),

Gene: TaeYoung_33 Start: 28590, Stop: 28724, Start Num: 2
Candidate Starts for TaeYoung_33:
(Start: 2 @28590 has 17 MA's), (3, 28611), (7, 28689),

Gene: Timinator_33 Start: 28673, Stop: 28807, Start Num: 2

Candidate Starts for Timinator_33:
(Start: 2 @28673 has 17 MA's), (3, 28694), (4, 28742), (6, 28766),

Gene: Zartrosa_33 Start: 28498, Stop: 28632, Start Num: 2
Candidate Starts for Zartrosa_33:
(Start: 2 @28498 has 17 MA's), (3, 28519), (4, 28567),