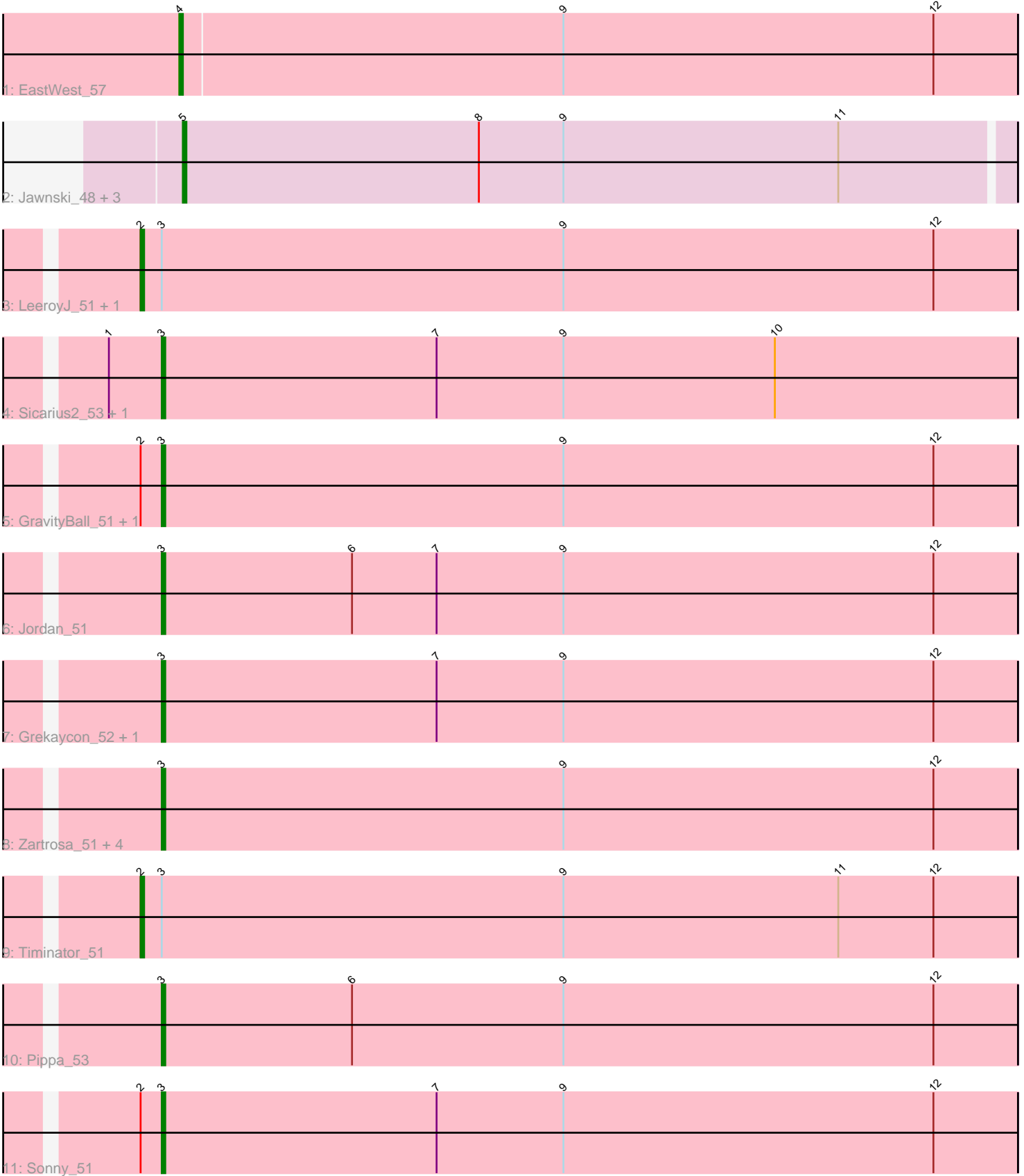# Pham 3627

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 3627 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3627 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : EastWest_57
• Track 2 : Jawnski_48, Brent_49, Franzy_49, King2_48
• Track 3 : LeeroyJ_51, BarretLemon_51
• Track 4 : Sicarius2_53, Wyborn_53
• Track 5 : GravityBall_51, StevieBAY_51
• Track 6 : Jordan_51
• Track 7 : Grekaycon_52, Martha_52
• Track 8 : Zartrosa_51, Shade_51, BossLady_53, JKerns_51, TaeYoung_53
• Track 9 : Timinator_51
• Track 10 : Pippa_53
• Track 11 : Sonny_51


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

The start number called the most often in the published annotations is 3, it was called in 13 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BossLady_53, GravityBall_51, Grekaycon_52, JKerns_51, Jordan_51, Martha_52, Pippa_53, Shade_51, Sicarius2_53, Sonny_51, StevieBAY_51, TaeYoung_53, Wyborn_53, Zartrosa_51,

Genes that have the "Most Annotated" start but do not call it:
• BarretLemon_51, LeeroyJ_51, Timinator_51,

Genes that do not have the "Most Annotated" start:
• Brent_49, EastWest_57, Franzy_49, Jawnski_48, King2_48,

**Summary by start number:**

Start 2:
• Found in 6 of 22 ( 27.3% ) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 50.0% of time when present

• Phage (with cluster) where this start called: BarretLemon_51 (AO2), LeeroyJ_51 (AO2), Timinator_51 (AO2),

Start 3:
• Found in 17 of 22 ( 77.3% ) of genes in pham
• Manual Annotations of this start: 13 of 21
• Called 82.4% of time when present
• Phage (with cluster) where this start called: BossLady_53 (AO2), GravityBall_51 (AO2), Grekaycon_52 (AO2), JKerns_51 (AO2), Jordan_51 (AO2), Martha_52 (AO2), Pippa_53 (AO2), Shade_51 (AO2), Sicarius2_53 (AO2), Sonny_51 (AO2), StevieBAY_51 (AO2), TaeYoung_53 (AO2), Wyborn_53 (AO2), Zartrosa_51 (AO2),

Start 4:
• Found in 1 of 22 ( 4.5% ) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EastWest_57 (AO),

Start 5:
• Found in 4 of 22 ( 18.2% ) of genes in pham
• Manual Annotations of this start: 4 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brent_49 (AO1), Franzy_49 (AO1), Jawnski_48 (AO1), King2_48 (AO1),

## Summary by clusters:

There are 3 clusters represented in this pham: AO, AO2, AO1,

Info for manual annotations of cluster AO:
•Start number 4 was manually annotated 1 time for cluster AO.

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

Info for manual annotations of cluster AO2:
•Start number 2 was manually annotated 3 times for cluster AO2.
•Start number 3 was manually annotated 13 times for cluster AO2.

### *Gene Information:*
Gene: BarretLemon_51 Start: 37577, Stop: 37825, Start Num: 2
Candidate Starts for BarretLemon_51:
(Start: 2 @37577 has 3 MA's), (Start: 3 @37583 has 13 MA's), (9, 37697), (12, 37802),

Gene: BossLady_53 Start: 37854, Stop: 38096, Start Num: 3
Candidate Starts for BossLady_53:
(Start: 3 @37854 has 13 MA's), (9, 37968), (12, 38073),

Gene: Brent_49 Start: 37764, Stop: 37997, Start Num: 5
Candidate Starts for Brent_49:

(Start: 5 @37764 has 4 MA's), (8, 37848), (9, 37872), (11, 37950),

Gene: EastWest_57 Start: 38007, Stop: 38243, Start Num: 4
Candidate Starts for EastWest_57:
(Start: 4 @38007 has 1 MA's), (9, 38115), (12, 38220),

Gene: Franzy_49 Start: 37780, Stop: 38013, Start Num: 5
Candidate Starts for Franzy_49:
(Start: 5 @37780 has 4 MA's), (8, 37864), (9, 37888), (11, 37966),

Gene: GravityBall_51 Start: 37679, Stop: 37921, Start Num: 3
Candidate Starts for GravityBall_51:
(Start: 2 @37673 has 3 MA's), (Start: 3 @37679 has 13 MA's), (9, 37793), (12, 37898),

Gene: Grekaycon_52 Start: 37753, Stop: 37995, Start Num: 3
Candidate Starts for Grekaycon_52:
(Start: 3 @37753 has 13 MA's), (7, 37831), (9, 37867), (12, 37972),

Gene: JKerns_51 Start: 37842, Stop: 38084, Start Num: 3
Candidate Starts for JKerns_51:
(Start: 3 @37842 has 13 MA's), (9, 37956), (12, 38061),

Gene: Jawnski_48 Start: 37288, Stop: 37521, Start Num: 5
Candidate Starts for Jawnski_48:
(Start: 5 @37288 has 4 MA's), (8, 37372), (9, 37396), (11, 37474),

Gene: Jordan_51 Start: 37645, Stop: 37887, Start Num: 3
Candidate Starts for Jordan_51:
(Start: 3 @37645 has 13 MA's), (6, 37699), (7, 37723), (9, 37759), (12, 37864),

Gene: King2_48 Start: 37694, Stop: 37927, Start Num: 5
Candidate Starts for King2_48:
(Start: 5 @37694 has 4 MA's), (8, 37778), (9, 37802), (11, 37880),

Gene: LeeroyJ_51 Start: 37606, Stop: 37854, Start Num: 2
Candidate Starts for LeeroyJ_51:
(Start: 2 @37606 has 3 MA's), (Start: 3 @37612 has 13 MA's), (9, 37726), (12, 37831),

Gene: Martha_52 Start: 37867, Stop: 38109, Start Num: 3
Candidate Starts for Martha_52:
(Start: 3 @37867 has 13 MA's), (7, 37945), (9, 37981), (12, 38086),

Gene: Pippa_53 Start: 38117, Stop: 38359, Start Num: 3
Candidate Starts for Pippa_53:
(Start: 3 @38117 has 13 MA's), (6, 38171), (9, 38231), (12, 38336),

Gene: Shade_51 Start: 37570, Stop: 37812, Start Num: 3
Candidate Starts for Shade_51:
(Start: 3 @37570 has 13 MA's), (9, 37684), (12, 37789),

Gene: Sicarius2_53 Start: 36750, Stop: 36992, Start Num: 3
Candidate Starts for Sicarius2_53:
(1, 36735), (Start: 3 @36750 has 13 MA's), (7, 36828), (9, 36864), (10, 36924),

Gene: Sonny_51 Start: 37681, Stop: 37923, Start Num: 3
Candidate Starts for Sonny_51:
(Start: 2 @37675 has 3 MA's), (Start: 3 @37681 has 13 MA's), (7, 37759), (9, 37795), (12, 37900),

Gene: StevieBAY_51 Start: 37676, Stop: 37918, Start Num: 3
Candidate Starts for StevieBAY_51:
(Start: 2 @37670 has 3 MA's), (Start: 3 @37676 has 13 MA's), (9, 37790), (12, 37895),

Gene: TaeYoung_53 Start: 37822, Stop: 38064, Start Num: 3
Candidate Starts for TaeYoung_53:
(Start: 3 @37822 has 13 MA's), (9, 37936), (12, 38041),

Gene: Timinator_51 Start: 37537, Stop: 37785, Start Num: 2
Candidate Starts for Timinator_51:
(Start: 2 @37537 has 3 MA's), (Start: 3 @37543 has 13 MA's), (9, 37657), (11, 37735), (12, 37762),

Gene: Wyborn_53 Start: 37730, Stop: 37972, Start Num: 3
Candidate Starts for Wyborn_53:
(1, 37715), (Start: 3 @37730 has 13 MA's), (7, 37808), (9, 37844), (10, 37904),

Gene: Zartrosa_51 Start: 37621, Stop: 37863, Start Num: 3
Candidate Starts for Zartrosa_51:
(Start: 3 @37621 has 13 MA's), (9, 37735), (12, 37840),