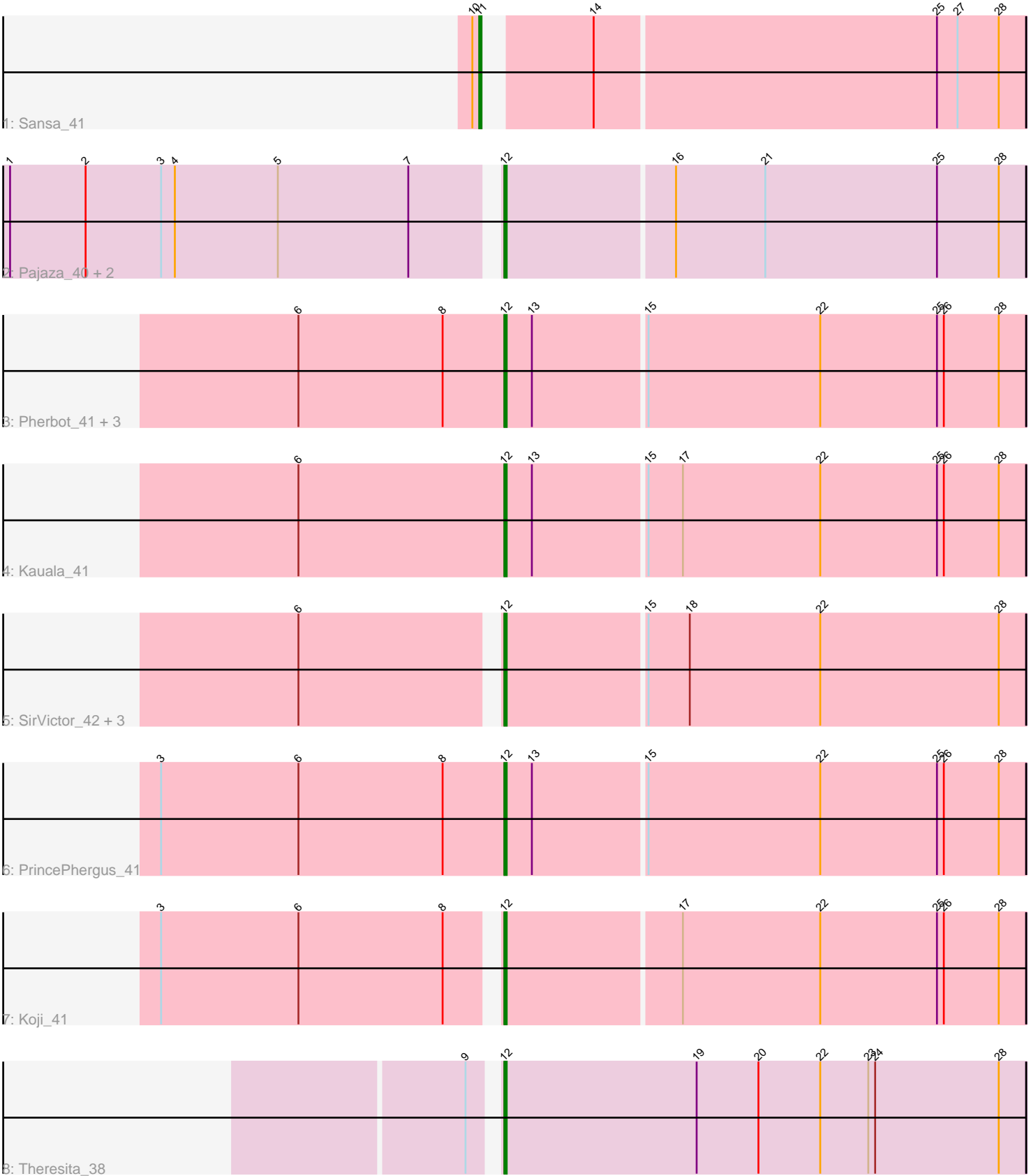


Pham 4908



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 4908 Report

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

Pham number 4908 has 16 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sansa_41
- Track 2 : Pajaza_40, Pikmin_40, Casey_40
- Track 3 : Pherbot_41, BouleyBill_42, Bustleton_41, Sinatra_42
- Track 4 : Kauala_41
- Track 5 : SirVictor_42, Lucky3_41, Guetzie_42, Golden_41
- Track 6 : PrincePhergus_41
- Track 7 : Koji_41
- Track 8 : Theresita_38

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

The start number called the most often in the published annotations is 12, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BouleyBill_42, Bustleton_41, Casey_40, Golden_41, Guetzie_42, Kauala_41, Koji_41, Lucky3_41, Pajaza_40, Pherbot_41, Pikmin_40, PrincePhergus_41, Sinatra_42, SirVictor_42, Theresita_38,

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

-

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

- Sansa_41,

Summary by start number:

Start 11:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sansa_41 (EA2),

Start 12:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 14 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_42 (EA4), Bustleton_41 (EA4), Casey_40 (EA3), Golden_41 (EA4), Guetzie_42 (EA4), Kauala_41 (EA4), Koji_41 (EA4), Lucky3_41 (EA4), Pajaza_40 (EA3), Pherbot_41 (EA4), Pikmin_40 (EA3), PrincePhergus_41 (EA4), Sinatra_42 (EA4), SirVictor_42 (EA4), Theresita_38 (EA7),

Summary by clusters:

There are 4 clusters represented in this pham: EA3, EA2, EA4, EA7,

Info for manual annotations of cluster EA2:

- Start number 11 was manually annotated 1 time for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 12 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 12 was manually annotated 10 times for cluster EA4.

Info for manual annotations of cluster EA7:

- Start number 12 was manually annotated 1 time for cluster EA7.

Gene Information:

Gene: BouleyBill_42 Start: 31137, Stop: 30913, Start Num: 12

Candidate Starts for BouleyBill_42:

(6, 31227), (8, 31164), (Start: 12 @31137 has 14 MA's), (13, 31125), (15, 31077), (22, 31002), (25, 30951), (26, 30948), (28, 30924),

Gene: Bustleton_41 Start: 30928, Stop: 30704, Start Num: 12

Candidate Starts for Bustleton_41:

(6, 31018), (8, 30955), (Start: 12 @30928 has 14 MA's), (13, 30916), (15, 30868), (22, 30793), (25, 30742), (26, 30739), (28, 30715),

Gene: Casey_40 Start: 30517, Stop: 30293, Start Num: 12

Candidate Starts for Casey_40:

(1, 30724), (2, 30691), (3, 30658), (4, 30652), (5, 30607), (7, 30550), (Start: 12 @30517 has 14 MA's), (16, 30445), (21, 30406), (25, 30331), (28, 30304),

Gene: Golden_41 Start: 31008, Stop: 30784, Start Num: 12

Candidate Starts for Golden_41:

(6, 31089), (Start: 12 @31008 has 14 MA's), (15, 30948), (18, 30930), (22, 30873), (28, 30795),

Gene: Guetzie_42 Start: 30993, Stop: 30769, Start Num: 12

Candidate Starts for Guetzie_42:

(6, 31074), (Start: 12 @30993 has 14 MA's), (15, 30933), (18, 30915), (22, 30858), (28, 30780),

Gene: Kauala_41 Start: 31141, Stop: 30917, Start Num: 12

Candidate Starts for Kauala_41:

(6, 31231), (Start: 12 @31141 has 14 MA's), (13, 31129), (15, 31081), (17, 31066), (22, 31006), (25, 30955), (26, 30952), (28, 30928),

Gene: Koji_41 Start: 31311, Stop: 31087, Start Num: 12

Candidate Starts for Koji_41:

(3, 31452), (6, 31392), (8, 31329), (Start: 12 @31311 has 14 MA's), (17, 31236), (22, 31176), (25, 31125), (26, 31122), (28, 31098),

Gene: Lucky3_41 Start: 31008, Stop: 30784, Start Num: 12

Candidate Starts for Lucky3_41:

(6, 31089), (Start: 12 @31008 has 14 MA's), (15, 30948), (18, 30930), (22, 30873), (28, 30795),

Gene: Pajaza_40 Start: 30517, Stop: 30293, Start Num: 12

Candidate Starts for Pajaza_40:

(1, 30724), (2, 30691), (3, 30658), (4, 30652), (5, 30607), (7, 30550), (Start: 12 @30517 has 14 MA's), (16, 30445), (21, 30406), (25, 30331), (28, 30304),

Gene: Pherbot_41 Start: 30915, Stop: 30691, Start Num: 12

Candidate Starts for Pherbot_41:

(6, 31005), (8, 30942), (Start: 12 @30915 has 14 MA's), (13, 30903), (15, 30855), (22, 30780), (25, 30729), (26, 30726), (28, 30702),

Gene: Pikmin_40 Start: 30517, Stop: 30293, Start Num: 12

Candidate Starts for Pikmin_40:

(1, 30724), (2, 30691), (3, 30658), (4, 30652), (5, 30607), (7, 30550), (Start: 12 @30517 has 14 MA's), (16, 30445), (21, 30406), (25, 30331), (28, 30304),

Gene: PrincePhergus_41 Start: 30934, Stop: 30710, Start Num: 12

Candidate Starts for PrincePhergus_41:

(3, 31084), (6, 31024), (8, 30961), (Start: 12 @30934 has 14 MA's), (13, 30922), (15, 30874), (22, 30799), (25, 30748), (26, 30745), (28, 30721),

Gene: Sansa_41 Start: 31541, Stop: 31317, Start Num: 11

Candidate Starts for Sansa_41:

(10, 31544), (Start: 11 @31541 has 1 MA's), (14, 31502), (25, 31355), (27, 31346), (28, 31328),

Gene: Sinatra_42 Start: 30926, Stop: 30702, Start Num: 12

Candidate Starts for Sinatra_42:

(6, 31016), (8, 30953), (Start: 12 @30926 has 14 MA's), (13, 30914), (15, 30866), (22, 30791), (25, 30740), (26, 30737), (28, 30713),

Gene: SirVictor_42 Start: 30993, Stop: 30769, Start Num: 12

Candidate Starts for SirVictor_42:

(6, 31074), (Start: 12 @30993 has 14 MA's), (15, 30933), (18, 30915), (22, 30858), (28, 30780),

Gene: Theresita_38 Start: 24921, Stop: 25148, Start Num: 12

Candidate Starts for Theresita_38:

(9, 24912), (Start: 12 @24921 has 14 MA's), (19, 25005), (20, 25032), (22, 25059), (23, 25080), (24, 25083), (28, 25137),