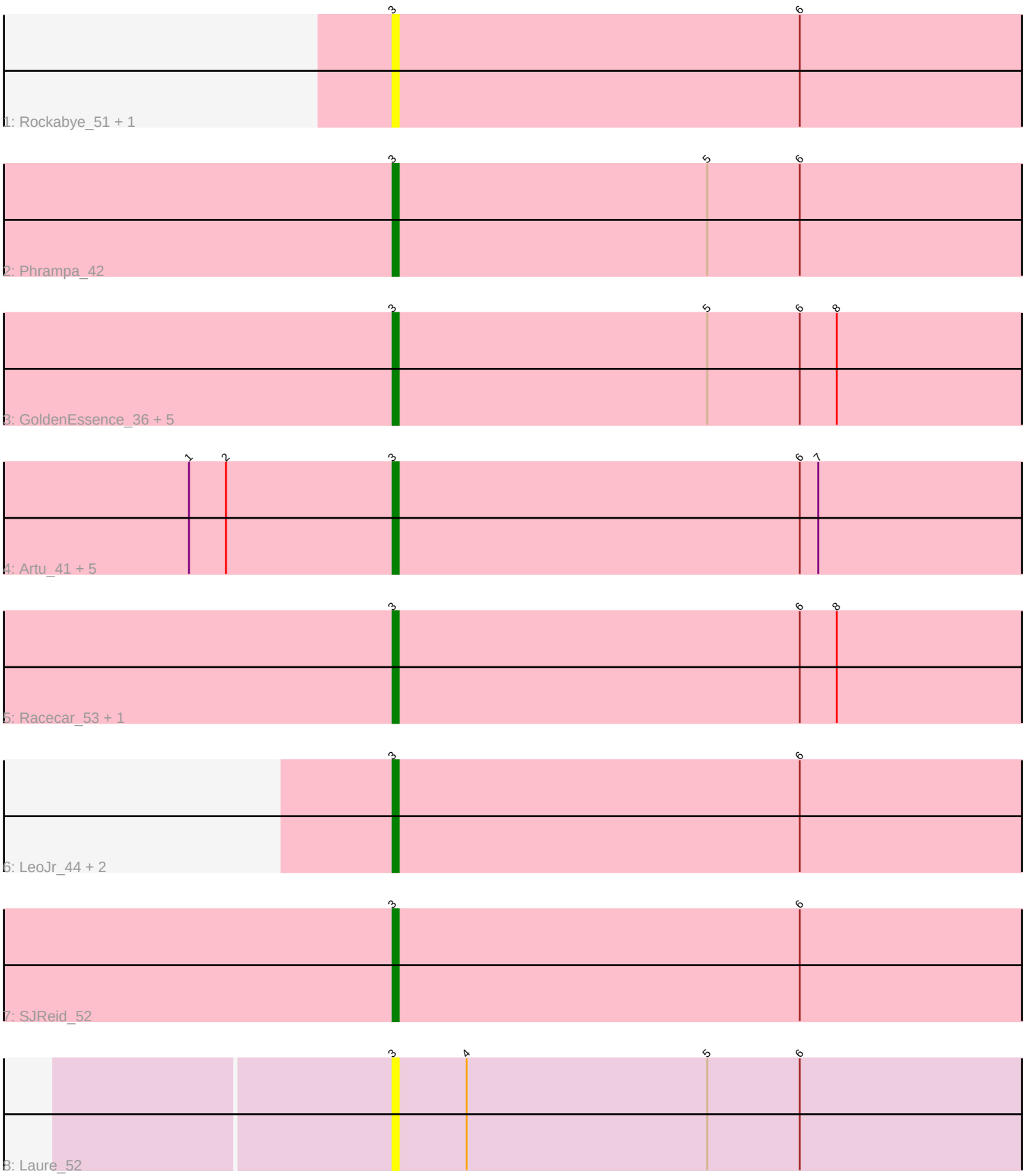
Pham 305316


3
6
1: Rockabye_51 + 1
3
5
6
2: Phrampa_42
3
5
6
8
3: GoldenEssence_36 + 5
1
2
3
6
7
4: Artu_41 + 5
3
6
8
5: Racecar_53 + 1
3
6
6: LeoJr_44 + 2
3
6
7: SJReid_52
3
4
5
6
8: Laure_52

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 305316 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305316 has 22 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Rockabye_51, Chilliams_49
• Track 2 : Phrampa_42
• Track 3 : GoldenEssence_36, Talia1610_52, Patbob_48, FrostedClock_55, Bloom_57, FloraSnap32_47
• Track 4 : Artu_41, Emmetator_40, DunneganBoMo_39, KSunshine22_43, BooTeria_46, Ellewin_38
• Track 5 : Racecar_53, Mimi_52
• Track 6 : LeoJr_44, Atuin_41, ReginaGlobina_44
• Track 7 : SJReid_52
• Track 8 : Laure_52

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_41, Atuin_41, Bloom_57, BooTeria_46, Chilliams_49, DunneganBoMo_39, Ellewin_38, Emmetator_40, FloraSnap32_47, FrostedClock_55, GoldenEssence_36, KSunshine22_43, Laure_52, LeoJr_44, Mimi_52, Patbob_48, Phrampa_42, Racecar_53, ReginaGlobina_44, Rockabye_51, SJReid_52, Talia1610_52,

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 3:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Artu_41 (FC), Atuin_41 (FC), Bloom_57 (FC), BooTeria_46 (FC), Chilliams_49 (FC), DunneganBoMo_39 (FC), Ellewin_38 (FC), Emmetator_40 (FC), FloraSnap32_47 (FC), FrostedClock_55 (FC), GoldenEssence_36 (FC), KSunshine22_43 (FC), Laure_52 (UNK), LeoJr_44 (FC), Mimi_52 (FC), Patbob_48 (FC), Phrampa_42 (FC), Racecar_53 (FC), ReginaGlobina_44 (FC), Rockabye_51 (FC), SJReid_52 (FC), Talia1610_52 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 10 times for cluster FC.

Gene Information:

Gene: Artu_41 Start: 16455, Stop: 16763, Start Num: 3
Candidate Starts for Artu_41:
(1, 16422), (2, 16428), (Start: 3 @16455 has 10 MA's), (6, 16521), (7, 16524),

Gene: Atuin_41 Start: 18462, Stop: 18800, Start Num: 3
Candidate Starts for Atuin_41:
(Start: 3 @18462 has 10 MA's), (6, 18528),

Gene: Bloom_57 Start: 23011, Stop: 23370, Start Num: 3
Candidate Starts for Bloom_57:
(Start: 3 @23011 has 10 MA's), (5, 23062), (6, 23077), (8, 23083),

Gene: BooTeria_46 Start: 17049, Stop: 17357, Start Num: 3
Candidate Starts for BooTeria_46:
(1, 17016), (2, 17022), (Start: 3 @17049 has 10 MA's), (6, 17115), (7, 17118),

Gene: Chilliams_49 Start: 21829, Stop: 22155, Start Num: 3
Candidate Starts for Chilliams_49:
(Start: 3 @21829 has 10 MA's), (6, 21895),

Gene: DunneganBoMo_39 Start: 17038, Stop: 17346, Start Num: 3
Candidate Starts for DunneganBoMo_39:
(1, 17005), (2, 17011), (Start: 3 @17038 has 10 MA's), (6, 17104), (7, 17107),

Gene: Ellewin_38 Start: 16597, Stop: 16905, Start Num: 3
Candidate Starts for Ellewin_38:
(1, 16564), (2, 16570), (Start: 3 @16597 has 10 MA's), (6, 16663), (7, 16666),

Gene: Emmetator_40 Start: 16948, Stop: 17256, Start Num: 3
Candidate Starts for Emmetator_40:
(1, 16915), (2, 16921), (Start: 3 @16948 has 10 MA's), (6, 17014), (7, 17017),

Gene: FloraSnap32_47 Start: 20311, Stop: 20670, Start Num: 3
Candidate Starts for FloraSnap32_47:

(Start: 3 @20311 has 10 MA's), (5, 20362), (6, 20377), (8, 20383),

Gene: FrostedClock_55 Start: 22274, Stop: 22633, Start Num: 3
Candidate Starts for FrostedClock_55:
(Start: 3 @22274 has 10 MA's), (5, 22325), (6, 22340), (8, 22346),

Gene: GoldenEssence_36 Start: 15868, Stop: 16227, Start Num: 3
Candidate Starts for GoldenEssence_36:
(Start: 3 @15868 has 10 MA's), (5, 15919), (6, 15934), (8, 15940),

Gene: KSunshine22_43 Start: 17650, Stop: 17958, Start Num: 3
Candidate Starts for KSunshine22_43:
(1, 17617), (2, 17623), (Start: 3 @17650 has 10 MA's), (6, 17716), (7, 17719),

Gene: Laure_52 Start: 22165, Stop: 22479, Start Num: 3
Candidate Starts for Laure_52:
(Start: 3 @22165 has 10 MA's), (4, 22177), (5, 22216), (6, 22231),

Gene: LeoJr_44 Start: 18628, Stop: 18966, Start Num: 3
Candidate Starts for LeoJr_44:
(Start: 3 @18628 has 10 MA's), (6, 18694),

Gene: Mimi_52 Start: 22124, Stop: 22483, Start Num: 3
Candidate Starts for Mimi_52:
(Start: 3 @22124 has 10 MA's), (6, 22190), (8, 22196),

Gene: Patbob_48 Start: 21496, Stop: 21855, Start Num: 3
Candidate Starts for Patbob_48:
(Start: 3 @21496 has 10 MA's), (5, 21547), (6, 21562), (8, 21568),

Gene: Phrampa_42 Start: 18766, Stop: 19125, Start Num: 3
Candidate Starts for Phrampa_42:
(Start: 3 @18766 has 10 MA's), (5, 18817), (6, 18832),

Gene: Racecar_53 Start: 22777, Stop: 23136, Start Num: 3
Candidate Starts for Racecar_53:
(Start: 3 @22777 has 10 MA's), (6, 22843), (8, 22849),

Gene: ReginaGlobina_44 Start: 18825, Stop: 19163, Start Num: 3
Candidate Starts for ReginaGlobina_44:
(Start: 3 @18825 has 10 MA's), (6, 18891),

Gene: Rockabye_51 Start: 22139, Stop: 22465, Start Num: 3
Candidate Starts for Rockabye_51:
(Start: 3 @22139 has 10 MA's), (6, 22205),

Gene: SJReid_52 Start: 22818, Stop: 23138, Start Num: 3
Candidate Starts for SJReid_52:
(Start: 3 @22818 has 10 MA's), (6, 22884),

Gene: Talia1610_52 Start: 22142, Stop: 22501, Start Num: 3
Candidate Starts for Talia1610_52:
(Start: 3 @22142 has 10 MA's), (5, 22193), (6, 22208), (8, 22214),