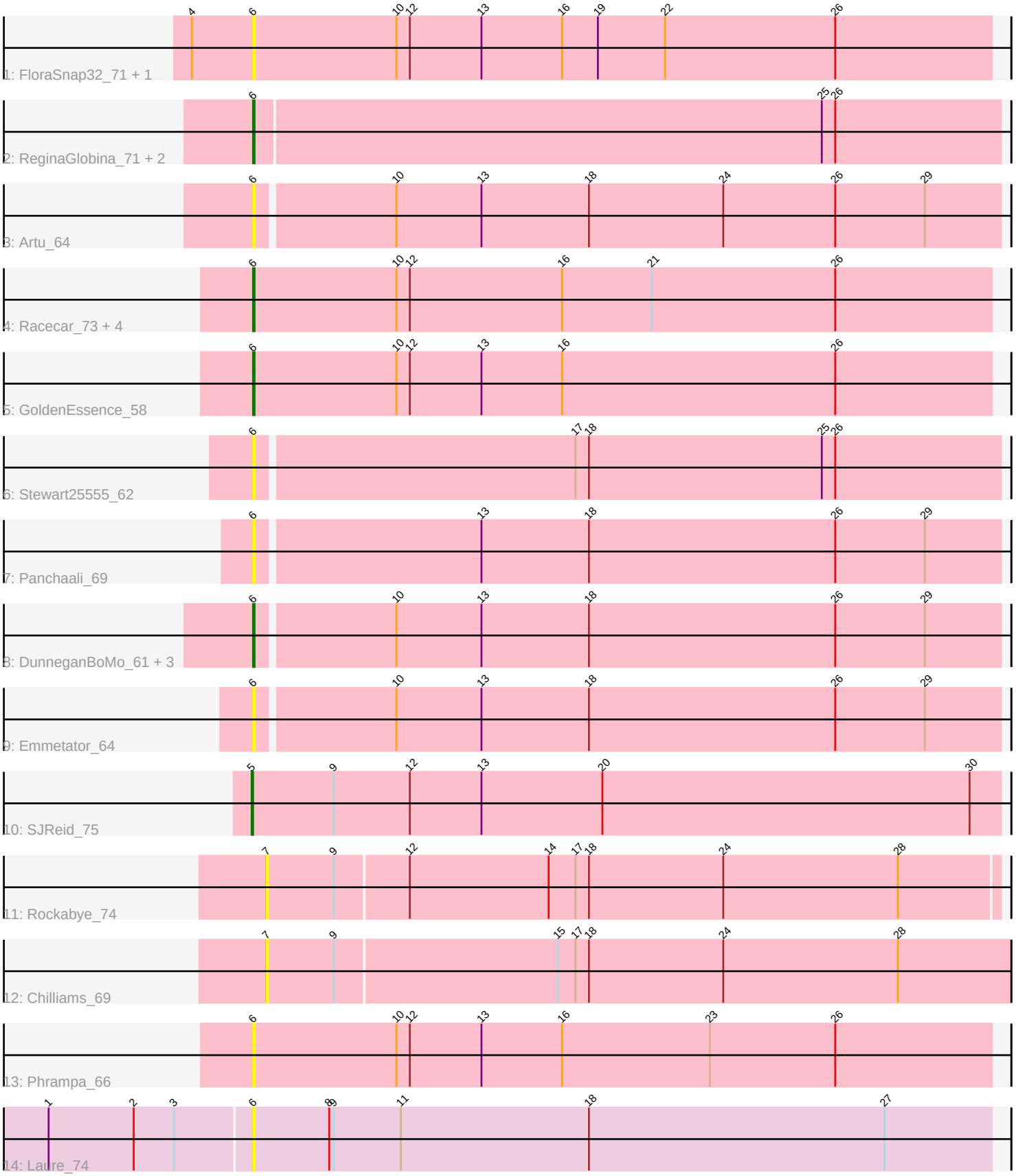
Pham 268181


1: FloraSnap32_71 + 1
2: ReginaGlobina_71 + 2
3: Artu_64
4: Racecar_73 + 4
5: GoldenEssence_58
6: Stewart25555_62
7: Panchaali_69
8: DunneganBoMo_61 + 3
9: Emmetator_64
10: SJReid_75
11: Rockabye_74
12: Chilliams_69
13: Phrampa_66
14: Laure_74

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 268181 Report

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

Pham number 268181 has 24 members, 16 are drafts.

Phages represented in each track:
• Track 1 : FloraSnap32_71, Patbob_72
• Track 2 : ReginaGlobina_71, LeoJr_71, Atuin_66
• Track 3 : Artu_64
• Track 4 : Racecar_73, Talia1610_72, Mimi_72, FrostedClock_75, Bloom_76
• Track 5 : GoldenEssence_58
• Track 6 : Stewart25555_62
• Track 7 : Panchaali_69
• Track 8 : DunneganBoMo_61, Ellewin_63, WaddleDee_59, BooTeria_68
• Track 9 : Emmetator_64
• Track 10 : SJReid_75
• Track 11 : Rockabye_74
• Track 12 : Chilliams_69
• Track 13 : Phrampa_66
• Track 14 : Laure_74

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_64, Atuin_66, Bloom_76, BooTeria_68, DunneganBoMo_61, Ellewin_63, Emmetator_64, FloraSnap32_71, FrostedClock_75, GoldenEssence_58, Laure_74, LeoJr_71, Mimi_72, Panchaali_69, Patbob_72, Phrampa_66, Racecar_73, ReginaGlobina_71, Stewart25555_62, Talia1610_72, WaddleDee_59,

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

Genes that do not have the "Most Annotated" start:
• Chilliams_69, Rockabye_74, SJReid_75,

Summary by start number:

Start 5:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_75 (FC),

Start 6:
• Found in 21 of 24 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_64 (FC), Atuin_66 (FC), Bloom_76 (FC), BooTeria_68 (FC), DunneganBoMo_61 (FC), Ellewin_63 (FC), Emmetator_64 (FC), FloraSnap32_71 (FC), FrostedClock_75 (FC), GoldenEssence_58 (FC), Laure_74 (UNK), LeoJr_71 (FC), Mimi_72 (FC), Panchaali_69 (FC), Patbob_72 (FC), Phrampa_66 (FC), Racecar_73 (FC), ReginaGlobina_71 (FC), Stewart25555_62 (FC), Talia1610_72 (FC), WaddleDee_59 (FC),

Start 7:
• Found in 2 of 24 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_69 (FC), Rockabye_74 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 1 time for cluster FC.
•Start number 6 was manually annotated 7 times for cluster FC.

Gene Information:

Gene: Artu_64 Start: 26599, Stop: 27093, Start Num: 6
Candidate Starts for Artu_64:
(Start: 6 @26599 has 7 MA's), (10, 26689), (13, 26746), (18, 26818), (24, 26908), (26, 26983), (29, 27043),

Gene: Atuin_66 Start: 29715, Stop: 30212, Start Num: 6
Candidate Starts for Atuin_66:
(Start: 6 @29715 has 7 MA's), (25, 30093), (26, 30102),

Gene: Bloom_76 Start: 32332, Stop: 32826, Start Num: 6
Candidate Starts for Bloom_76:
(Start: 6 @32332 has 7 MA's), (10, 32428), (12, 32437), (16, 32539), (21, 32599), (26, 32722),

Gene: BooTeria_68 Start: 27054, Stop: 27548, Start Num: 6
Candidate Starts for BooTeria_68:
(Start: 6 @27054 has 7 MA's), (10, 27144), (13, 27201), (18, 27273), (26, 27438), (29, 27498),

Gene: Chilliams_69 Start: 32716, Stop: 33210, Start Num: 7
Candidate Starts for Chilliams_69:
(7, 32716), (9, 32761), (15, 32908), (17, 32920), (18, 32929), (24, 33019), (28, 33136),

Gene: DunneganBoMo_61 Start: 26479, Stop: 26973, Start Num: 6
Candidate Starts for DunneganBoMo_61:
(Start: 6 @26479 has 7 MA's), (10, 26569), (13, 26626), (18, 26698), (26, 26863), (29, 26923),

Gene: Ellewin_63 Start: 26206, Stop: 26700, Start Num: 6
Candidate Starts for Ellewin_63:
(Start: 6 @26206 has 7 MA's), (10, 26296), (13, 26353), (18, 26425), (26, 26590), (29, 26650),

Gene: Emmetator_64 Start: 27226, Stop: 27720, Start Num: 6
Candidate Starts for Emmetator_64:
(Start: 6 @27226 has 7 MA's), (10, 27316), (13, 27373), (18, 27445), (26, 27610), (29, 27670),

Gene: FloraSnap32_71 Start: 30787, Stop: 31281, Start Num: 6
Candidate Starts for FloraSnap32_71:
(4, 30748), (Start: 6 @30787 has 7 MA's), (10, 30883), (12, 30892), (13, 30940), (16, 30994), (19, 31018), (22, 31063), (26, 31177),

Gene: FrostedClock_75 Start: 31820, Stop: 32314, Start Num: 6
Candidate Starts for FrostedClock_75:
(Start: 6 @31820 has 7 MA's), (10, 31916), (12, 31925), (16, 32027), (21, 32087), (26, 32210),

Gene: GoldenEssence_58 Start: 26125, Stop: 26619, Start Num: 6
Candidate Starts for GoldenEssence_58:
(Start: 6 @26125 has 7 MA's), (10, 26221), (12, 26230), (13, 26278), (16, 26332), (26, 26515),

Gene: Laure_74 Start: 32400, Stop: 32894, Start Num: 6
Candidate Starts for Laure_74:
(1, 32268), (2, 32325), (3, 32352), (Start: 6 @32400 has 7 MA's), (8, 32451), (9, 32454), (11, 32499), (18, 32625), (27, 32823),

Gene: LeoJr_71 Start: 29855, Stop: 30352, Start Num: 6
Candidate Starts for LeoJr_71:
(Start: 6 @29855 has 7 MA's), (25, 30233), (26, 30242),

Gene: Mimi_72 Start: 31679, Stop: 32173, Start Num: 6
Candidate Starts for Mimi_72:
(Start: 6 @31679 has 7 MA's), (10, 31775), (12, 31784), (16, 31886), (21, 31946), (26, 32069),

Gene: Panchaali_69 Start: 27332, Stop: 27826, Start Num: 6
Candidate Starts for Panchaali_69:
(Start: 6 @27332 has 7 MA's), (13, 27479), (18, 27551), (26, 27716), (29, 27776),

Gene: Patbob_72 Start: 31972, Stop: 32466, Start Num: 6
Candidate Starts for Patbob_72:
(4, 31933), (Start: 6 @31972 has 7 MA's), (10, 32068), (12, 32077), (13, 32125), (16, 32179), (19, 32203), (22, 32248), (26, 32362),

Gene: Phrampa_66 Start: 28999, Stop: 29493, Start Num: 6
Candidate Starts for Phrampa_66:

(Start: 6 @28999 has 7 MA's), (10, 29095), (12, 29104), (13, 29152), (16, 29206), (23, 29305), (26, 29389),

Gene: Racecar_73 Start: 32332, Stop: 32826, Start Num: 6
Candidate Starts for Racecar_73:
(Start: 6 @32332 has 7 MA's), (10, 32428), (12, 32437), (16, 32539), (21, 32599), (26, 32722),

Gene: ReginaGlobina_71 Start: 30412, Stop: 30909, Start Num: 6
Candidate Starts for ReginaGlobina_71:
(Start: 6 @30412 has 7 MA's), (25, 30790), (26, 30799),

Gene: Rockabye_74 Start: 33070, Stop: 33555, Start Num: 7
Candidate Starts for Rockabye_74:
(7, 33070), (9, 33115), (12, 33163), (14, 33256), (17, 33274), (18, 33283), (24, 33373), (28, 33490),

Gene: SJReid_75 Start: 33536, Stop: 34036, Start Num: 5
Candidate Starts for SJReid_75:
(Start: 5 @33536 has 1 MA's), (9, 33590), (12, 33641), (13, 33689), (20, 33770), (30, 34016),

Gene: Stewart25555_62 Start: 26737, Stop: 27231, Start Num: 6
Candidate Starts for Stewart25555_62:
(Start: 6 @26737 has 7 MA's), (17, 26947), (18, 26956), (25, 27112), (26, 27121),

Gene: Talia1610_72 Start: 31697, Stop: 32191, Start Num: 6
Candidate Starts for Talia1610_72:
(Start: 6 @31697 has 7 MA's), (10, 31793), (12, 31802), (16, 31904), (21, 31964), (26, 32087),

Gene: WaddleDee_59 Start: 26331, Stop: 26825, Start Num: 6
Candidate Starts for WaddleDee_59:
(Start: 6 @26331 has 7 MA's), (10, 26421), (13, 26478), (18, 26550), (26, 26715), (29, 26775),