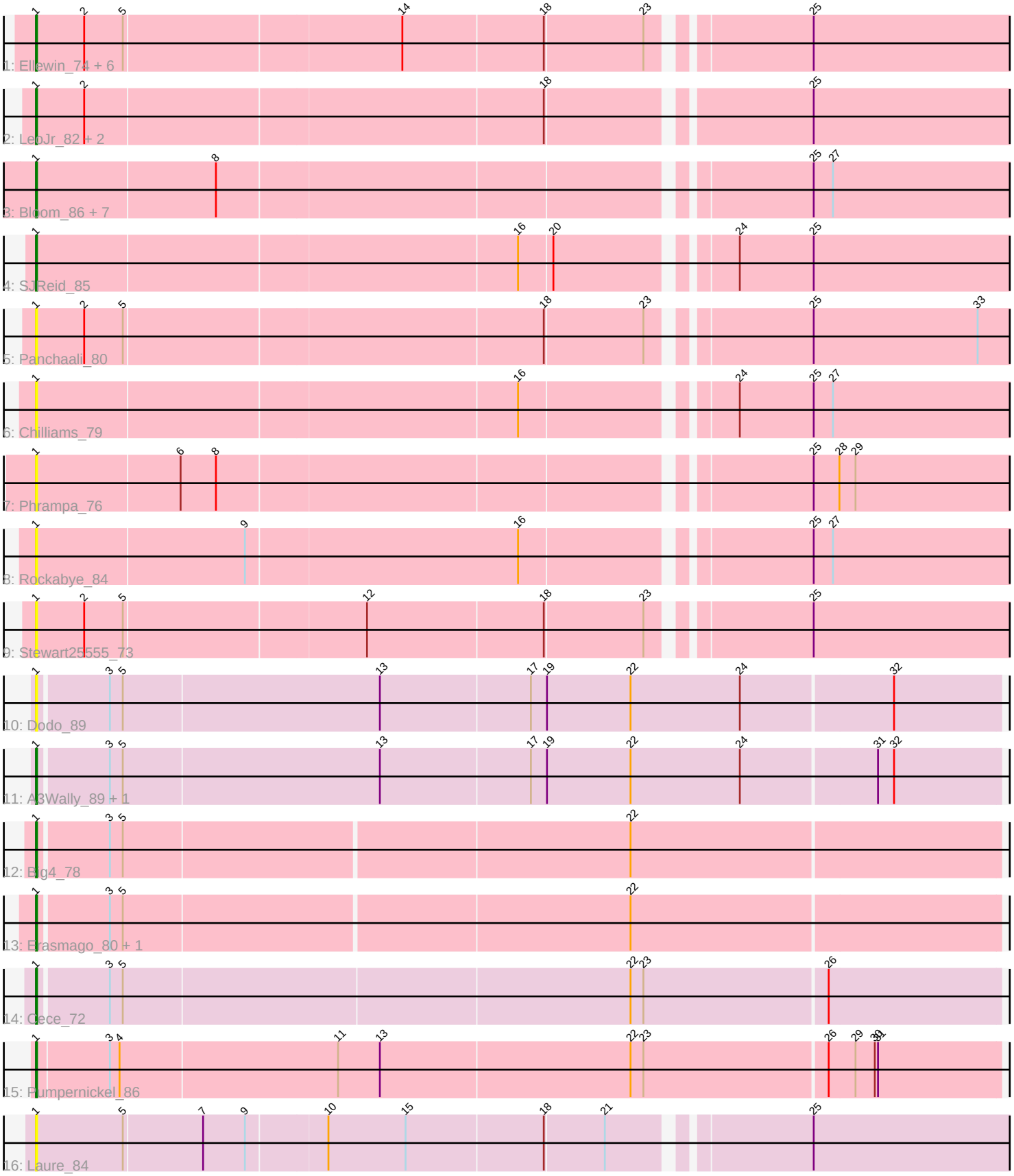
Pham 269833


1: Ellewin_74 + 6
2: LeoJr_82 + 2
3: Bloom_86 + 7
4: SJReid_85
5: Panchaali_80
6: Chilliams_79
7: Phrampa_76
8: Rockabye_84
9: Stewart25555_73
10: Dodo_89
11: A3Wally_89 + 1
12: Big4_78
13: Brasmago_80 + 1
14: Gece_72
15: Pumpernickel_86
16: Laure_84

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 269833 Report

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

Pham number 269833 has 33 members, 19 are drafts.

Phages represented in each track:
• Track 1 : Ellewin_74, BooTeria_79, Emmetator_75, KSunshine22_77, Artu_75, WaddleDee_70, DunneganBoMo_72
• Track 2 : LeoJr_82, Atuin_77, ReginaGlobina_82
• Track 3 : Bloom_86, FrostedClock_85, Patbob_83, FloraSnap32_82, Racecar_83, GoldenEssence_68, Talia1610_82, Mimi_82
• Track 4 : SJReid_85
• Track 5 : Panchaali_80
• Track 6 : Chilliams_79
• Track 7 : Phrampa_76
• Track 8 : Rockabye_84
• Track 9 : Stewart25555_73
• Track 10 : Dodo_89
• Track 11 : A3Wally_89, PauloDiaboli_89
• Track 12 : Big4_78
• Track 13 : Erasmago_80, Zooman_74
• Track 14 : Cece_72
• Track 15 : Pumpernickel_86
• Track 16 : Laure_84

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

The start number called the most often in the published annotations is 1, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_89, Artu_75, Atuin_77, Big4_78, Bloom_86, BooTeria_79, Cece_72, Chilliams_79, Dodo_89, DunneganBoMo_72, Ellewin_74, Emmetator_75, Erasmago_80, FloraSnap32_82, FrostedClock_85, GoldenEssence_68, KSunshine22_77, Laure_84, LeoJr_82, Mimi_82, Panchaali_80, Patbob_83, PauloDiaboli_89, Phrampa_76, Pumpernickel_86, Racecar_83, ReginaGlobina_82, Rockabye_84, SJReid_85, Stewart25555_73, Talia1610_82, WaddleDee_70, Zooman_74,

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 1:
• Found in 33 of 33 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_89 (GD1), Artu_75 (FC), Atuin_77 (FC), Big4_78 (GD2), Bloom_86 (FC), BooTeria_79 (FC), Cece_72 (GD3), Chilliams_79 (FC), Dodo_89 (GD1), DunneganBoMo_72 (FC), Ellewin_74 (FC), Emmetator_75 (FC), Erasmago_80 (GD2), FloraSnap32_82 (FC), FrostedClock_85 (FC), GoldenEssence_68 (FC), KSunshine22_77 (FC), Laure_84 (UNK), LeoJr_82 (FC), Mimi_82 (FC), Panchaali_80 (FC), Patbob_83 (FC), PauloDiaboli_89 (GD1), Phrampa_76 (FC), Pumpernickel_86 (GD4), Racecar_83 (FC), ReginaGlobina_82 (FC), Rockabye_84 (FC), SJReid_85 (FC), Stewart25555_73 (FC), Talia1610_82 (FC), WaddleDee_70 (FC), Zooman_74 (GD2),

Summary by clusters:

There are 6 clusters represented in this pham: GD1, GD2, GD3, GD4, FC, UNK,

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 8 times for cluster FC.

Info for manual annotations of cluster GD1:
•Start number 1 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 1 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 1 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 1 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_89 Start: 46992, Stop: 47873, Start Num: 1
Candidate Starts for A3Wally_89:
(Start: 1 @46992 has 14 MA's), (3, 47055), (5, 47067), (13, 47304), (17, 47442), (19, 47457), (22, 47535), (24, 47637), (31, 47760), (32, 47775),

Gene: Artu_75 Start: 46245, Stop: 47114, Start Num: 1
Candidate Starts for Artu_75:

(Start: 1 @46245 has 14 MA's), (2, 46290), (5, 46326), (14, 46578), (18, 46707), (23, 46797), (25, 46929),

Gene: Atuin_77 Start: 48877, Stop: 49749, Start Num: 1
Candidate Starts for Atuin_77:
(Start: 1 @48877 has 14 MA's), (2, 48922), (18, 49339), (25, 49564),

Gene: Big4_78 Start: 45834, Stop: 46709, Start Num: 1
Candidate Starts for Big4_78:
(Start: 1 @45834 has 14 MA's), (3, 45897), (5, 45909), (22, 46371),

Gene: Bloom_86 Start: 50280, Stop: 51149, Start Num: 1
Candidate Starts for Bloom_86:
(Start: 1 @50280 has 14 MA's), (8, 50445), (25, 50964), (27, 50982),

Gene: BooTeria_79 Start: 46313, Stop: 47182, Start Num: 1
Candidate Starts for BooTeria_79:
(Start: 1 @46313 has 14 MA's), (2, 46358), (5, 46394), (14, 46646), (18, 46775), (23, 46865), (25, 46997),

Gene: Cece_72 Start: 41904, Stop: 42782, Start Num: 1
Candidate Starts for Cece_72:
(Start: 1 @41904 has 14 MA's), (3, 41967), (5, 41979), (22, 42444), (23, 42456), (26, 42624),

Gene: Chilliams_79 Start: 52107, Stop: 52976, Start Num: 1
Candidate Starts for Chilliams_79:
(Start: 1 @52107 has 14 MA's), (16, 52545), (24, 52722), (25, 52791), (27, 52809),

Gene: Dodo_89 Start: 47314, Stop: 48195, Start Num: 1
Candidate Starts for Dodo_89:
(Start: 1 @47314 has 14 MA's), (3, 47377), (5, 47389), (13, 47626), (17, 47764), (19, 47779), (22, 47857), (24, 47959), (32, 48097),

Gene: DunneganBoMo_72 Start: 45738, Stop: 46607, Start Num: 1
Candidate Starts for DunneganBoMo_72:
(Start: 1 @45738 has 14 MA's), (2, 45783), (5, 45819), (14, 46071), (18, 46200), (23, 46290), (25, 46422),

Gene: Ellewin_74 Start: 45333, Stop: 46202, Start Num: 1
Candidate Starts for Ellewin_74:
(Start: 1 @45333 has 14 MA's), (2, 45378), (5, 45414), (14, 45666), (18, 45795), (23, 45885), (25, 46017),

Gene: Emmetator_75 Start: 46485, Stop: 47354, Start Num: 1
Candidate Starts for Emmetator_75:
(Start: 1 @46485 has 14 MA's), (2, 46530), (5, 46566), (14, 46818), (18, 46947), (23, 47037), (25, 47169),

Gene: Erasmago_80 Start: 43489, Stop: 44364, Start Num: 1
Candidate Starts for Erasmago_80:
(Start: 1 @43489 has 14 MA's), (3, 43552), (5, 43564), (22, 44026),

Gene: FloraSnap32_82 Start: 49317, Stop: 50186, Start Num: 1

Candidate Starts for FloraSnap32_82:
(Start: 1 @49317 has 14 MA's), (8, 49482), (25, 50001), (27, 50019),

Gene: FrostedClock_85 Start: 49768, Stop: 50637, Start Num: 1
Candidate Starts for FrostedClock_85:
(Start: 1 @49768 has 14 MA's), (8, 49933), (25, 50452), (27, 50470),

Gene: GoldenEssence_68 Start: 44073, Stop: 44942, Start Num: 1
Candidate Starts for GoldenEssence_68:
(Start: 1 @44073 has 14 MA's), (8, 44238), (25, 44757), (27, 44775),

Gene: KSunshine22_77 Start: 46972, Stop: 47841, Start Num: 1
Candidate Starts for KSunshine22_77:
(Start: 1 @46972 has 14 MA's), (2, 47017), (5, 47053), (14, 47305), (18, 47434), (23, 47524), (25, 47656),

Gene: Laure_84 Start: 49862, Stop: 50731, Start Num: 1
Candidate Starts for Laure_84:
(Start: 1 @49862 has 14 MA's), (5, 49943), (7, 50015), (9, 50054), (10, 50126), (15, 50198), (18, 50324), (21, 50378), (25, 50546),

Gene: LeoJr_82 Start: 49005, Stop: 49877, Start Num: 1
Candidate Starts for LeoJr_82:
(Start: 1 @49005 has 14 MA's), (2, 49050), (18, 49467), (25, 49692),

Gene: Mimi_82 Start: 49627, Stop: 50496, Start Num: 1
Candidate Starts for Mimi_82:
(Start: 1 @49627 has 14 MA's), (8, 49792), (25, 50311), (27, 50329),

Gene: Panchaali_80 Start: 46724, Stop: 47593, Start Num: 1
Candidate Starts for Panchaali_80:
(Start: 1 @46724 has 14 MA's), (2, 46769), (5, 46805), (18, 47186), (23, 47276), (25, 47408), (33, 47561),

Gene: Patbob_83 Start: 50499, Stop: 51368, Start Num: 1
Candidate Starts for Patbob_83:
(Start: 1 @50499 has 14 MA's), (8, 50664), (25, 51183), (27, 51201),

Gene: PauloDiaboli_89 Start: 46349, Stop: 47230, Start Num: 1
Candidate Starts for PauloDiaboli_89:
(Start: 1 @46349 has 14 MA's), (3, 46412), (5, 46424), (13, 46661), (17, 46799), (19, 46814), (22, 46892), (24, 46994), (31, 47117), (32, 47132),

Gene: Phrampa_76 Start: 47201, Stop: 48070, Start Num: 1
Candidate Starts for Phrampa_76:
(Start: 1 @47201 has 14 MA's), (6, 47333), (8, 47366), (25, 47885), (28, 47909), (29, 47924),

Gene: Pumpernickel_86 Start: 47559, Stop: 48443, Start Num: 1
Candidate Starts for Pumpernickel_86:
(Start: 1 @47559 has 14 MA's), (3, 47625), (4, 47634), (11, 47835), (13, 47874), (22, 48105), (23, 48117), (26, 48285), (29, 48309), (30, 48327), (31, 48330),

Gene: Racecar_83 Start: 50280, Stop: 51149, Start Num: 1

Candidate Starts for Racecar_83:
(Start: 1 @50280 has 14 MA's), (8, 50445), (25, 50964), (27, 50982),

Gene: ReginaGlobina_82 Start: 49757, Stop: 50629, Start Num: 1
Candidate Starts for ReginaGlobina_82:
(Start: 1 @49757 has 14 MA's), (2, 49802), (18, 50219), (25, 50444),

Gene: Rockabye_84 Start: 52456, Stop: 53328, Start Num: 1
Candidate Starts for Rockabye_84:
(Start: 1 @52456 has 14 MA's), (9, 52648), (16, 52897), (25, 53143), (27, 53161),

Gene: SJReid_85 Start: 51543, Stop: 52412, Start Num: 1
Candidate Starts for SJReid_85:
(Start: 1 @51543 has 14 MA's), (16, 51981), (20, 52011), (24, 52158), (25, 52227),

Gene: Stewart25555_73 Start: 46149, Stop: 47018, Start Num: 1
Candidate Starts for Stewart25555_73:
(Start: 1 @46149 has 14 MA's), (2, 46194), (5, 46230), (12, 46449), (18, 46611), (23, 46701), (25, 46833),

Gene: Talia1610_82 Start: 49645, Stop: 50514, Start Num: 1
Candidate Starts for Talia1610_82:
(Start: 1 @49645 has 14 MA's), (8, 49810), (25, 50329), (27, 50347),

Gene: WaddleDee_70 Start: 45593, Stop: 46462, Start Num: 1
Candidate Starts for WaddleDee_70:
(Start: 1 @45593 has 14 MA's), (2, 45638), (5, 45674), (14, 45926), (18, 46055), (23, 46145), (25, 46277),

Gene: Zooman_74 Start: 44530, Stop: 45405, Start Num: 1
Candidate Starts for Zooman_74:
(Start: 1 @44530 has 14 MA's), (3, 44593), (5, 44605), (22, 45067),