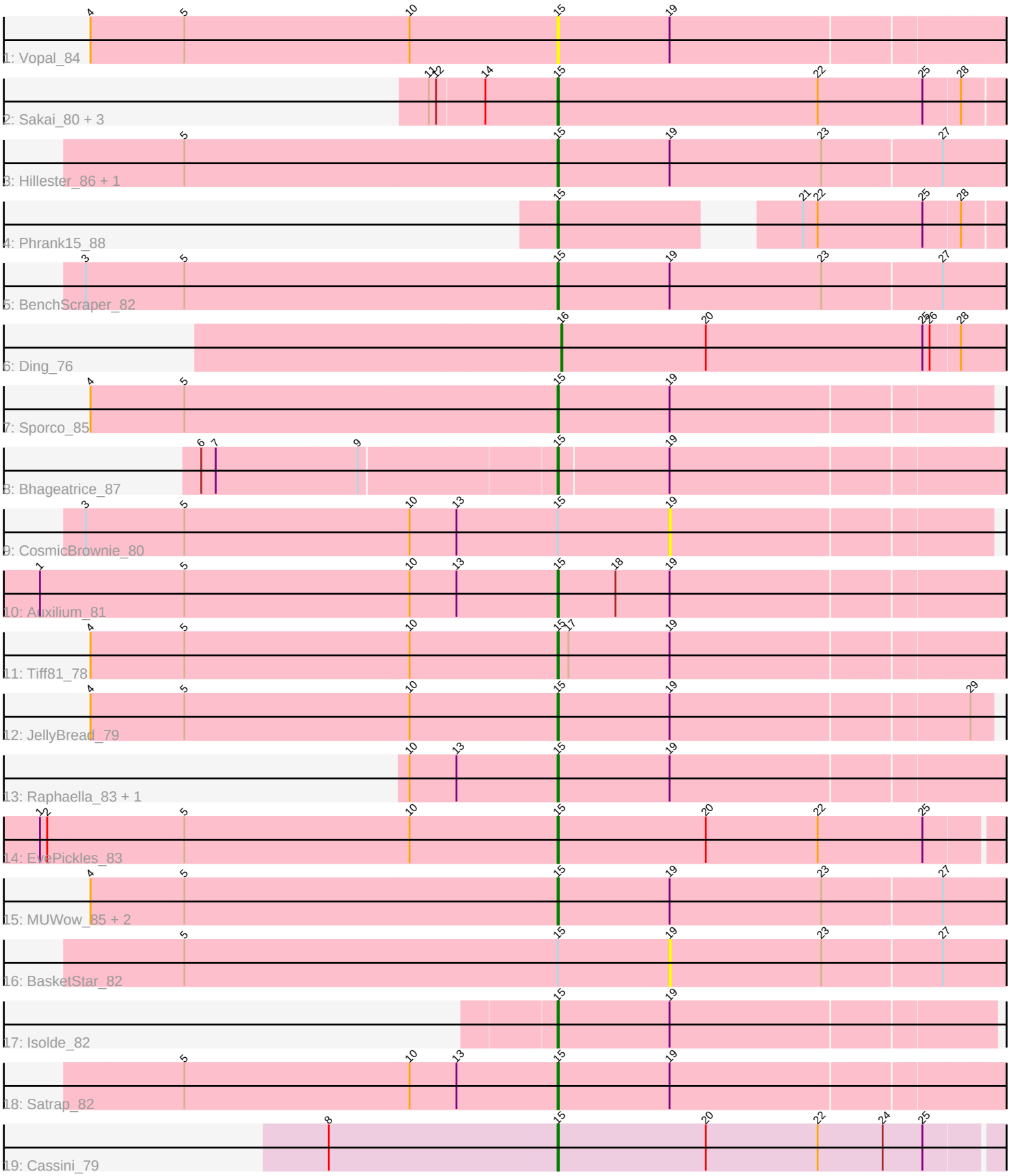
Pham 346075


1: Vopal_84
2: Sakai_80 + 3
3: Hillester_86 + 1
4: Phrank15_88
5: BenchScraper_82
6: Ding_76
7: Sporco_85
8: Bhageatrice_87
9: CosmicBrownie_80
10: Auxilium_81
11: Tiff81_78
12: JellyBread_79
13: Raphaella_83 + 1
14: EvePickles_83
15: MUWow_85 + 2
16: BasketStar_82
17: Isolde_82
18: Satrap_82
19: Cassini_79

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 346075 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346075 has 26 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Vopal_84
• Track 2 : Sakai_80, CookieBear_82, SonDevVon_91, Gorpy_81
• Track 3 : Hillester_86, RadFad_87
• Track 4 : Phrank15_88
• Track 5 : BenchScraper_82
• Track 6 : Ding_76
• Track 7 : Sporco_85
• Track 8 : Bhageatrice_87
• Track 9 : CosmicBrownie_80
• Track 10 : Auxilium_81
• Track 11 : Tiff81_78
• Track 12 : JellyBread_79
• Track 13 : Raphaella_83, Faja_85
• Track 14 : EvePickles_83
• Track 15 : MUWow_85, Windest_86, Richie_85
• Track 16 : BasketStar_82
• Track 17 : Isolde_82
• Track 18 : Satrap_82
• Track 19 : Cassini_79

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

The start number called the most often in the published annotations is 15, it was called in 21 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auxilium_81, BenchScraper_82, Bhageatrice_87, Cassini_79, CookieBear_82, EvePickles_83, Faja_85, Gorpy_81, Hillester_86, Isolde_82, JellyBread_79, MUWow_85, Phrank15_88, RadFad_87, Raphaella_83, Richie_85, Sakai_80, Satrap_82, SonDevVon_91, Sporco_85, Tiff81_78, Vopal_84, Windest_86,

Genes that have the "Most Annotated" start but do not call it:
• BasketStar_82, CosmicBrownie_80,

Genes that do not have the "Most Annotated" start:
• Ding_76,

Summary by start number:

Start 15:
• Found in 25 of 26 (96.2%) of genes in pham
• Manual Annotations of this start: 21 of 22
• Called 92.0% of time when present
• Phage (with cluster) where this start called: Auxilium_81 (AY), BenchScraper_82 (AY), Bhageatrice_87 (AY), Cassini_79 (FN), CookieBear_82 (AY), EvePickles_83 (AY), Faja_85 (AY), Gorpy_81 (AY), Hillester_86 (AY), Isolde_82 (AY), JellyBread_79 (AY), MUWow_85 (AY), Phrank15_88 (AY), RadFad_87 (AY), Raphaella_83 (AY), Richie_85 (AY), Sakai_80 (AY), Satrap_82 (AY), SonDevVon_91 (AY), Sporco_85 (AY), Tiff81_78 (AY), Vopal_84 (AY), Windest_86 (AY),

Start 16:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ding_76 (AY),

Start 19:
• Found in 18 of 26 (69.2%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: BasketStar_82 (AY), CosmicBrownie_80 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 15 was manually annotated 20 times for cluster AY.
•Start number 16 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FN:
•Start number 15 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Auxilium_81 Start: 45001, Stop: 45360, Start Num: 15
Candidate Starts for Auxilium_81:
(1, 44572), (5, 44692), (10, 44878), (13, 44917), (Start: 15 @45001 has 21 MA's), (18, 45049), (19, 45094),

Gene: BasketStar_82 Start: 47340, Stop: 47693, Start Num: 19
Candidate Starts for BasketStar_82:
(5, 46938), (Start: 15 @47247 has 21 MA's), (19, 47340), (23, 47466), (27, 47562),

Gene: BenchScraper_82 Start: 45488, Stop: 45886, Start Num: 15
Candidate Starts for BenchScraper_82:
(3, 45098), (5, 45179), (Start: 15 @45488 has 21 MA's), (19, 45581), (23, 45707), (27, 45803),

Gene: Bhageatrice_87 Start: 50237, Stop: 50593, Start Num: 15
Candidate Starts for Bhageatrice_87:
(6, 49952), (7, 49964), (9, 50081), (Start: 15 @50237 has 21 MA's), (19, 50327),

Gene: Cassini_79 Start: 46271, Stop: 46672, Start Num: 15
Candidate Starts for Cassini_79:
(8, 46082), (Start: 15 @46271 has 21 MA's), (20, 46394), (22, 46487), (24, 46541), (25, 46574),

Gene: CookieBear_82 Start: 46578, Stop: 46994, Start Num: 15
Candidate Starts for CookieBear_82:
(11, 46473), (12, 46479), (14, 46518), (Start: 15 @46578 has 21 MA's), (22, 46794), (25, 46881), (28, 46911),

Gene: CosmicBrownie_80 Start: 45811, Stop: 46065, Start Num: 19
Candidate Starts for CosmicBrownie_80:
(3, 45328), (5, 45409), (10, 45595), (13, 45634), (Start: 15 @45718 has 21 MA's), (19, 45811),

Gene: Ding_76 Start: 46525, Stop: 46929, Start Num: 16
Candidate Starts for Ding_76:
(Start: 16 @46525 has 1 MA's), (20, 46645), (25, 46825), (26, 46831), (28, 46855),

Gene: EvePickles_83 Start: 48170, Stop: 48571, Start Num: 15
Candidate Starts for EvePickles_83:
(1, 47741), (2, 47747), (5, 47861), (10, 48047), (Start: 15 @48170 has 21 MA's), (20, 48293), (22, 48386), (25, 48473),

Gene: Faja_85 Start: 48003, Stop: 48362, Start Num: 15
Candidate Starts for Faja_85:
(10, 47880), (13, 47919), (Start: 15 @48003 has 21 MA's), (19, 48096),

Gene: Gorpy_81 Start: 47920, Stop: 48336, Start Num: 15
Candidate Starts for Gorpy_81:
(11, 47815), (12, 47821), (14, 47860), (Start: 15 @47920 has 21 MA's), (22, 48136), (25, 48223), (28, 48253),

Gene: Hillester_86 Start: 47374, Stop: 47820, Start Num: 15
Candidate Starts for Hillester_86:
(5, 47065), (Start: 15 @47374 has 21 MA's), (19, 47467), (23, 47593), (27, 47689),

Gene: Isolde_82 Start: 47475, Stop: 47825, Start Num: 15
Candidate Starts for Isolde_82:
(Start: 15 @47475 has 21 MA's), (19, 47568),

Gene: JellyBread_79 Start: 46390, Stop: 46737, Start Num: 15
Candidate Starts for JellyBread_79:
(4, 46003), (5, 46081), (10, 46267), (Start: 15 @46390 has 21 MA's), (19, 46483), (29, 46720),

Gene: MUWow_85 Start: 48328, Stop: 48726, Start Num: 15
Candidate Starts for MUWow_85:

(4, 47941), (5, 48019), (Start: 15 @48328 has 21 MA's), (19, 48421), (23, 48547), (27, 48643),

Gene: Phrank15_88 Start: 47981, Stop: 48337, Start Num: 15
Candidate Starts for Phrank15_88:
(Start: 15 @47981 has 21 MA's), (21, 48137), (22, 48149), (25, 48236), (28, 48266),

Gene: RadFad_87 Start: 47374, Stop: 47820, Start Num: 15
Candidate Starts for RadFad_87:
(5, 47065), (Start: 15 @47374 has 21 MA's), (19, 47467), (23, 47593), (27, 47689),

Gene: Raphaella_83 Start: 46297, Stop: 46656, Start Num: 15
Candidate Starts for Raphaella_83:
(10, 46174), (13, 46213), (Start: 15 @46297 has 21 MA's), (19, 46390),

Gene: Richie_85 Start: 48060, Stop: 48458, Start Num: 15
Candidate Starts for Richie_85:
(4, 47673), (5, 47751), (Start: 15 @48060 has 21 MA's), (19, 48153), (23, 48279), (27, 48375),

Gene: Sakai_80 Start: 46631, Stop: 47047, Start Num: 15
Candidate Starts for Sakai_80:
(11, 46526), (12, 46532), (14, 46571), (Start: 15 @46631 has 21 MA's), (22, 46847), (25, 46934), (28, 46964),

Gene: Satrap_82 Start: 46835, Stop: 47194, Start Num: 15
Candidate Starts for Satrap_82:
(5, 46526), (10, 46712), (13, 46751), (Start: 15 @46835 has 21 MA's), (19, 46928),

Gene: SonDevVon_91 Start: 47576, Stop: 47992, Start Num: 15
Candidate Starts for SonDevVon_91:
(11, 47471), (12, 47477), (14, 47516), (Start: 15 @47576 has 21 MA's), (22, 47792), (25, 47879), (28, 47909),

Gene: Sporco_85 Start: 47977, Stop: 48324, Start Num: 15
Candidate Starts for Sporco_85:
(4, 47590), (5, 47668), (Start: 15 @47977 has 21 MA's), (19, 48070),

Gene: Tiff81_78 Start: 45438, Stop: 45797, Start Num: 15
Candidate Starts for Tiff81_78:
(4, 45051), (5, 45129), (10, 45315), (Start: 15 @45438 has 21 MA's), (17, 45447), (19, 45531),

Gene: Vopal_84 Start: 48363, Stop: 48722, Start Num: 15
Candidate Starts for Vopal_84:
(4, 47976), (5, 48054), (10, 48240), (Start: 15 @48363 has 21 MA's), (19, 48456),

Gene: Windest_86 Start: 45545, Stop: 45943, Start Num: 15
Candidate Starts for Windest_86:
(4, 45158), (5, 45236), (Start: 15 @45545 has 21 MA's), (19, 45638), (23, 45764), (27, 45860),