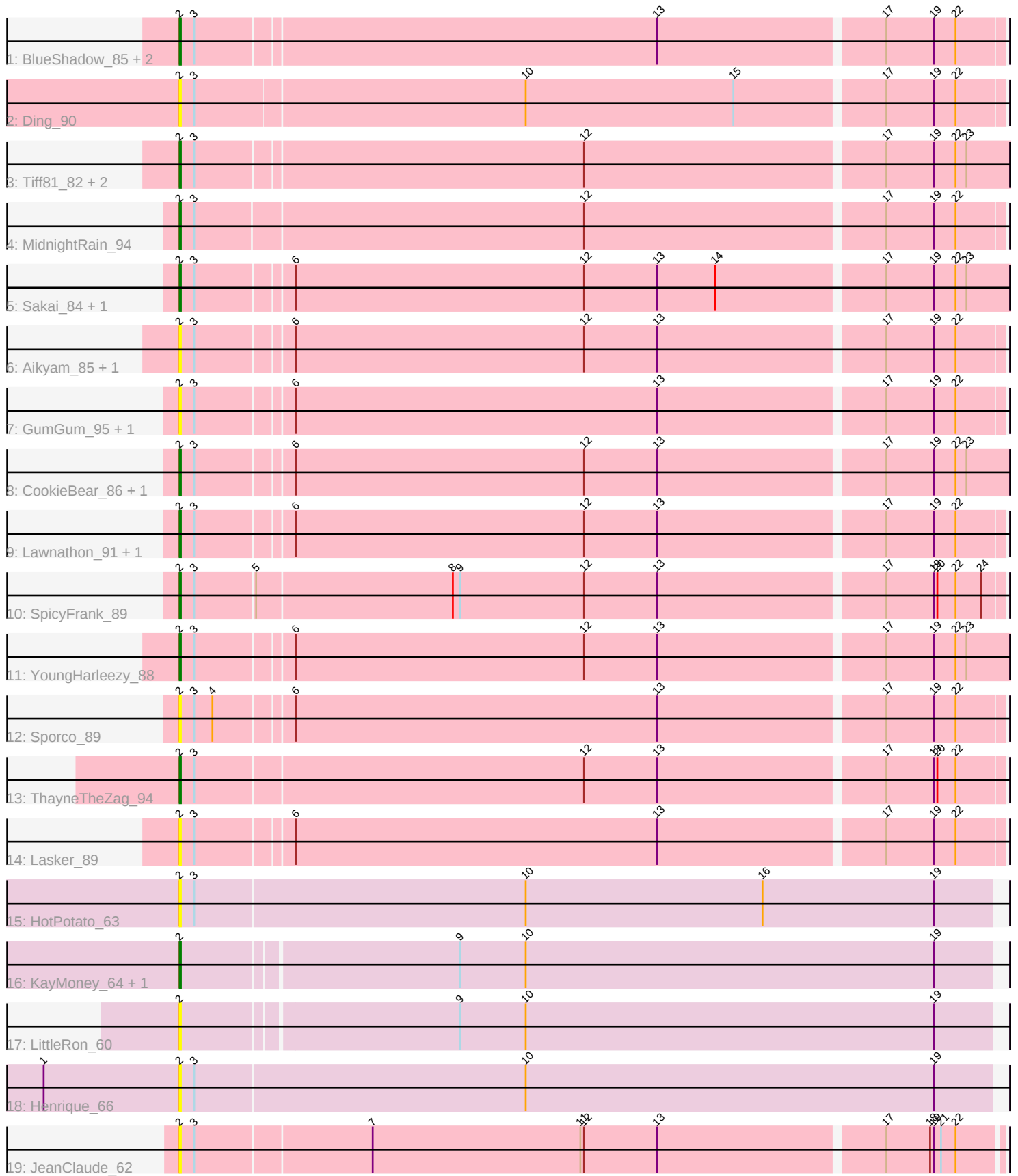


Pham 263492



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 263492 Report

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

Pham number 263492 has 29 members, 12 are drafts.

Phages represented in each track:

- Track 1 : BlueShadow_85, Vopal_88, Raphaella_87
- Track 2 : Ding_90
- Track 3 : Tiff81_82, Seahorse_93, Anekin_87
- Track 4 : MidnightRain_94
- Track 5 : Sakai_84, Gorpy_85
- Track 6 : Aikyam_85, Satrap_86
- Track 7 : GumGum_95, SonDevVon_95
- Track 8 : CookieBear_86, Windest_92
- Track 9 : Lawnathon_91, AdaS_83
- Track 10 : SpicyFrank_89
- Track 11 : YoungHarleezy_88
- Track 12 : Sporco_89
- Track 13 : ThayneTheZag_94
- Track 14 : Lasker_89
- Track 15 : HotPotato_63
- Track 16 : KayMoney_64, Eileen_60
- Track 17 : LittleRon_60
- Track 18 : Henrique_66
- Track 19 : JeanClaude_62

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

The start number called the most often in the published annotations is 2, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AdaS_83, Aikyam_85, Anekin_87, BlueShadow_85, CookieBear_86, Ding_90, Eileen_60, Gorpy_85, GumGum_95, Henrique_66, HotPotato_63, JeanClaude_62, KayMoney_64, Lasker_89, Lawnathon_91, LittleRon_60, MidnightRain_94, Raphaella_87, Sakai_84, Satrap_86, Seahorse_93, SonDevVon_95, SpicyFrank_89, Sporco_89, ThayneTheZag_94, Tiff81_82, Vopal_88, Windest_92, YoungHarleezy_88,

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 2:

- Found in 29 of 29 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AdaS_83 (AY), Aikyam_85 (AY), Anekin_87 (AY), BlueShadow_85 (AY), CookieBear_86 (AY), Ding_90 (AY), Eileen_60 (FA), Gorpy_85 (AY), GumGum_95 (AY), Henrique_66 (FA), HotPotato_63 (FA), JeanClaude_62 (FB), KayMoney_64 (FA), Lasker_89 (AY), Lawnathon_91 (AY), LittleRon_60 (FA), MidnightRain_94 (AY), Raphaella_87 (AY), Sakai_84 (AY), Satrap_86 (AY), Seahorse_93 (AY), SonDevVon_95 (AY), SpicyFrank_89 (AY), Sporco_89 (AY), ThayneTheZag_94 (AY), Tiff81_82 (AY), Vopal_88 (AY), Windest_92 (AY), YoungHarleezy_88 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FA, FB,

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 15 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 2 was manually annotated 2 times for cluster FA.

Gene Information:

Gene: AdaS_83 Start: 46321, Stop: 46980, Start Num: 2

Candidate Starts for AdaS_83:

(Start: 2 @46321 has 17 MA's), (3, 46333), (6, 46408), (12, 46645), (13, 46705), (17, 46885), (19, 46924), (22, 46942),

Gene: Aikyam_85 Start: 46823, Stop: 47482, Start Num: 2

Candidate Starts for Aikyam_85:

(Start: 2 @46823 has 17 MA's), (3, 46835), (6, 46910), (12, 47147), (13, 47207), (17, 47387), (19, 47426), (22, 47444),

Gene: Anekin_87 Start: 49046, Stop: 49711, Start Num: 2

Candidate Starts for Anekin_87:

(Start: 2 @49046 has 17 MA's), (3, 49058), (12, 49370), (17, 49610), (19, 49649), (22, 49667), (23, 49676),

Gene: BlueShadow_85 Start: 48772, Stop: 49431, Start Num: 2

Candidate Starts for BlueShadow_85:

(Start: 2 @48772 has 17 MA's), (3, 48784), (13, 49156), (17, 49336), (19, 49375), (22, 49393),

Gene: CookieBear_86 Start: 48378, Stop: 49043, Start Num: 2

Candidate Starts for CookieBear_86:

(Start: 2 @48378 has 17 MA's), (3, 48390), (6, 48465), (12, 48702), (13, 48762), (17, 48942), (19, 48981), (22, 48999), (23, 49008),

Gene: Ding_90 Start: 48603, Stop: 49265, Start Num: 2

Candidate Starts for Ding_90:

(Start: 2 @48603 has 17 MA's), (3, 48615), (10, 48882), (15, 49053), (17, 49170), (19, 49209), (22, 49227),

Gene: Eileen_60 Start: 38598, Stop: 39254, Start Num: 2

Candidate Starts for Eileen_60:

(Start: 2 @38598 has 17 MA's), (9, 38817), (10, 38871), (19, 39207),

Gene: Gorpy_85 Start: 49795, Stop: 50460, Start Num: 2

Candidate Starts for Gorpy_85:

(Start: 2 @49795 has 17 MA's), (3, 49807), (6, 49882), (12, 50119), (13, 50179), (14, 50227), (17, 50359), (19, 50398), (22, 50416), (23, 50425),

Gene: GumGum_95 Start: 50139, Stop: 50798, Start Num: 2

Candidate Starts for GumGum_95:

(Start: 2 @50139 has 17 MA's), (3, 50151), (6, 50226), (13, 50523), (17, 50703), (19, 50742), (22, 50760),

Gene: Henrique_66 Start: 40210, Stop: 40875, Start Num: 2

Candidate Starts for Henrique_66:

(1, 40099), (Start: 2 @40210 has 17 MA's), (3, 40222), (10, 40492), (19, 40828),

Gene: HotPotato_63 Start: 40666, Stop: 41331, Start Num: 2

Candidate Starts for HotPotato_63:

(Start: 2 @40666 has 17 MA's), (3, 40678), (10, 40948), (16, 41143), (19, 41284),

Gene: JeanClaude_62 Start: 34306, Stop: 34965, Start Num: 2

Candidate Starts for JeanClaude_62:

(Start: 2 @34306 has 17 MA's), (3, 34318), (7, 34459), (11, 34630), (12, 34633), (13, 34693), (17, 34873), (18, 34909), (19, 34912), (21, 34918), (22, 34930),

Gene: KayMoney_64 Start: 40688, Stop: 41344, Start Num: 2

Candidate Starts for KayMoney_64:

(Start: 2 @40688 has 17 MA's), (9, 40907), (10, 40961), (19, 41297),

Gene: Lasker_89 Start: 49511, Stop: 50170, Start Num: 2

Candidate Starts for Lasker_89:

(Start: 2 @49511 has 17 MA's), (3, 49523), (6, 49598), (13, 49895), (17, 50075), (19, 50114), (22, 50132),

Gene: Lawnathon_91 Start: 49145, Stop: 49804, Start Num: 2

Candidate Starts for Lawnathon_91:

(Start: 2 @49145 has 17 MA's), (3, 49157), (6, 49232), (12, 49469), (13, 49529), (17, 49709), (19, 49748), (22, 49766),

Gene: LittleRon_60 Start: 40223, Stop: 40879, Start Num: 2

Candidate Starts for LittleRon_60:

(Start: 2 @40223 has 17 MA's), (9, 40442), (10, 40496), (19, 40832),

Gene: MidnightRain_94 Start: 50291, Stop: 50953, Start Num: 2

Candidate Starts for MidnightRain_94:

(Start: 2 @50291 has 17 MA's), (3, 50303), (12, 50618), (17, 50858), (19, 50897), (22, 50915),

Gene: Raphaella_87 Start: 47750, Stop: 48409, Start Num: 2

Candidate Starts for Raphaella_87:

(Start: 2 @47750 has 17 MA's), (3, 47762), (13, 48134), (17, 48314), (19, 48353), (22, 48371),

Gene: Sakai_84 Start: 48506, Stop: 49171, Start Num: 2

Candidate Starts for Sakai_84:

(Start: 2 @48506 has 17 MA's), (3, 48518), (6, 48593), (12, 48830), (13, 48890), (14, 48938), (17, 49070), (19, 49109), (22, 49127), (23, 49136),

Gene: Satrap_86 Start: 48222, Stop: 48881, Start Num: 2

Candidate Starts for Satrap_86:

(Start: 2 @48222 has 17 MA's), (3, 48234), (6, 48309), (12, 48546), (13, 48606), (17, 48786), (19, 48825), (22, 48843),

Gene: Seahorse_93 Start: 53149, Stop: 53814, Start Num: 2

Candidate Starts for Seahorse_93:

(Start: 2 @53149 has 17 MA's), (3, 53161), (12, 53473), (17, 53713), (19, 53752), (22, 53770), (23, 53779),

Gene: SonDevVon_95 Start: 49376, Stop: 50035, Start Num: 2

Candidate Starts for SonDevVon_95:

(Start: 2 @49376 has 17 MA's), (3, 49388), (6, 49463), (13, 49760), (17, 49940), (19, 49979), (22, 49997),

Gene: SpicyFrank_89 Start: 48561, Stop: 49223, Start Num: 2

Candidate Starts for SpicyFrank_89:

(Start: 2 @48561 has 17 MA's), (3, 48573), (5, 48621), (8, 48780), (9, 48786), (12, 48888), (13, 48948), (17, 49128), (19, 49167), (20, 49170), (22, 49185), (24, 49206),

Gene: Sporco_89 Start: 50139, Stop: 50798, Start Num: 2

Candidate Starts for Sporco_89:

(Start: 2 @50139 has 17 MA's), (3, 50151), (4, 50166), (6, 50226), (13, 50523), (17, 50703), (19, 50742), (22, 50760),

Gene: ThayneTheZag_94 Start: 50198, Stop: 50860, Start Num: 2

Candidate Starts for ThayneTheZag_94:

(Start: 2 @50198 has 17 MA's), (3, 50210), (12, 50525), (13, 50585), (17, 50765), (19, 50804), (20, 50807), (22, 50822),

Gene: Tiff81_82 Start: 46861, Stop: 47526, Start Num: 2

Candidate Starts for Tiff81_82:

(Start: 2 @46861 has 17 MA's), (3, 46873), (12, 47185), (17, 47425), (19, 47464), (22, 47482), (23, 47491),

Gene: Vopal_88 Start: 49816, Stop: 50475, Start Num: 2

Candidate Starts for Vopal_88:

(Start: 2 @49816 has 17 MA's), (3, 49828), (13, 50200), (17, 50380), (19, 50419), (22, 50437),

Gene: Windest_92 Start: 48030, Stop: 48695, Start Num: 2

Candidate Starts for Windest_92:

(Start: 2 @48030 has 17 MA's), (3, 48042), (6, 48117), (12, 48354), (13, 48414), (17, 48594), (19, 48633), (22, 48651), (23, 48660),

Gene: YoungHarleezy_88 Start: 49263, Stop: 49928, Start Num: 2

Candidate Starts for YoungHarleezy_88:

(Start: 2 @49263 has 17 MA's), (3, 49275), (6, 49350), (12, 49587), (13, 49647), (17, 49827), (19, 49866), (22, 49884), (23, 49893),