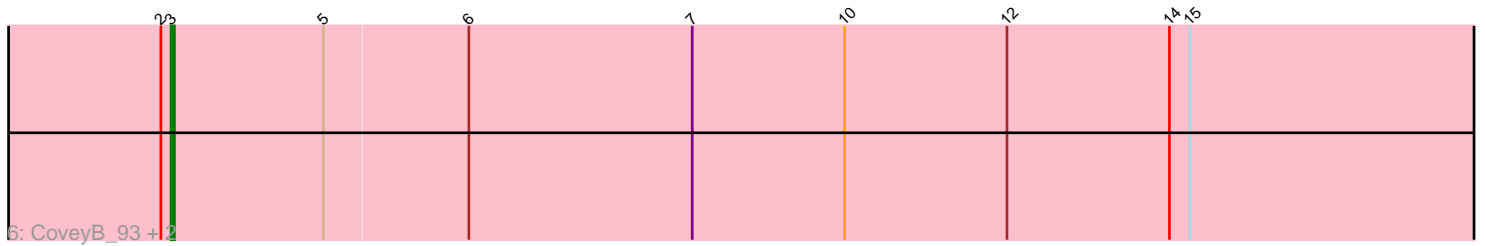
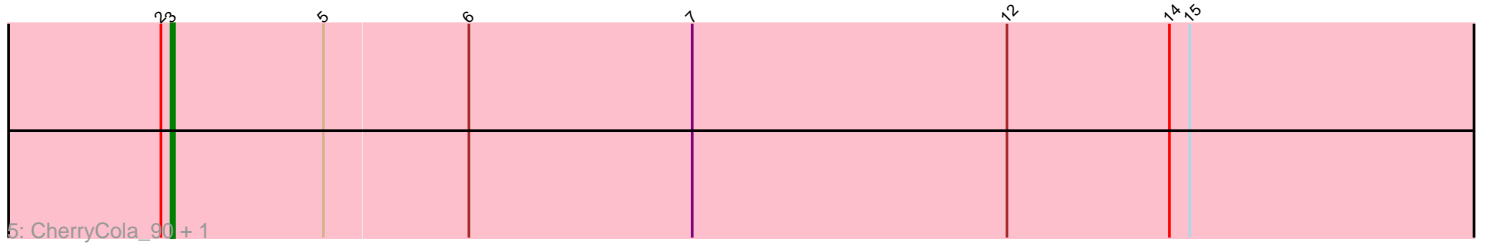
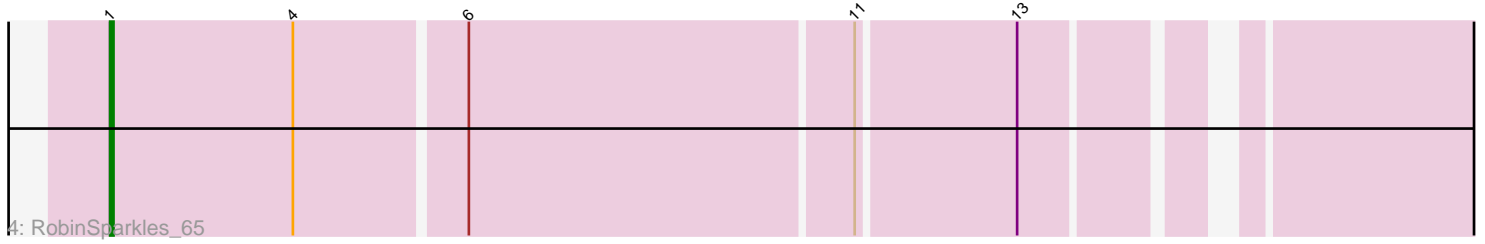
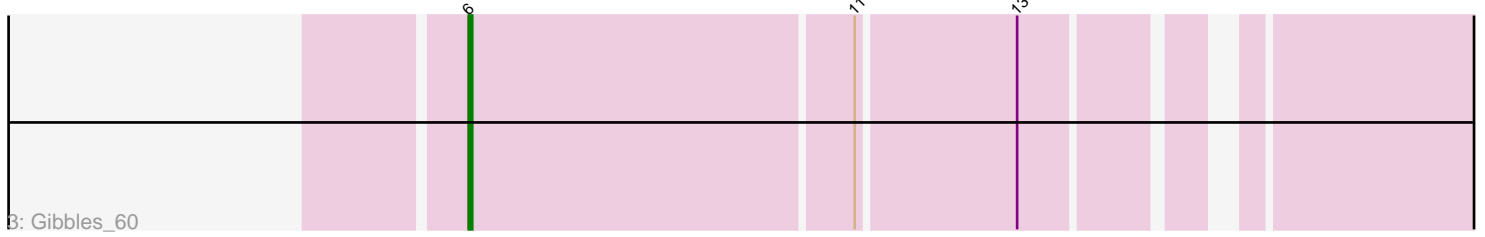
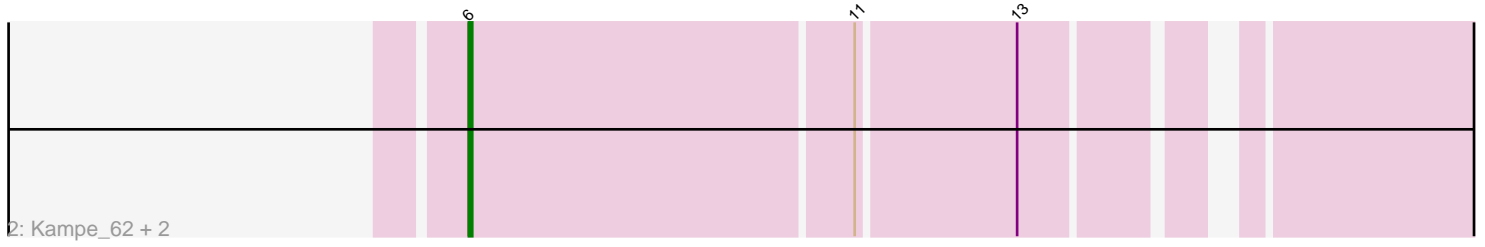
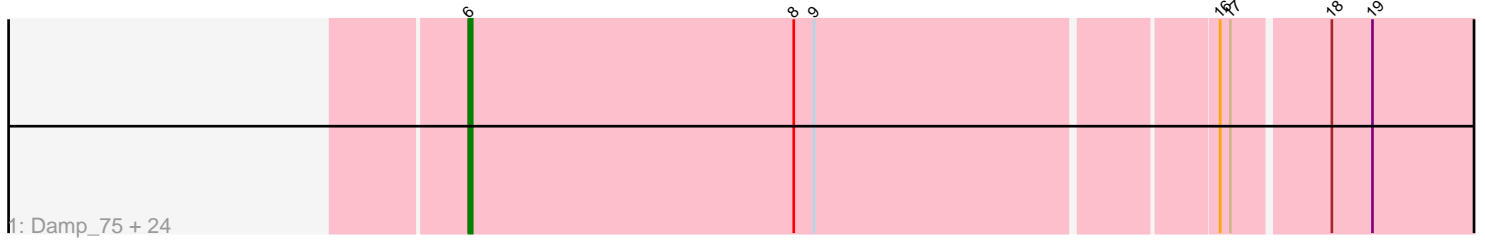


Pham 311820



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 311820 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311820 has 35 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Damp_75, Anamika_74, GalacticEye_75, Teal_74, Berries_75, Hello_74, MrWormie_75, Harambe_74, Guillaume_74, Luker_76, Jams_75, Lahirium_74, Hail2Pitt_73, Kaseim_75, Newt_76, Woes_74, Neoevie_74, Charianelly_75, Jormungandr_74, Nimi13_74, Lidong_75, Minos_76, Bianmat_75, Sticker17_75, Shelley_75
- Track 2 : Kampe_62, PatrickStar_62, Orchid_61
- Track 3 : Gibbles_60
- Track 4 : RobinSparkles_65
- Track 5 : CherryCola_90, Egi03_89
- Track 6 : CoveyB_93, ClamChowder_94, PinkCoffee_93

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 29 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anamika_74, Berries_75, Bianmat_75, Charianelly_75, Damp_75, GalacticEye_75, Gibbles_60, Guillaume_74, Hail2Pitt_73, Harambe_74, Hello_74, Jams_75, Jormungandr_74, Kampe_62, Kaseim_75, Lahirium_74, Lidong_75, Luker_76, Minos_76, MrWormie_75, Neoevie_74, Newt_76, Nimi13_74, Orchid_61, PatrickStar_62, Shelley_75, Sticker17_75, Teal_74, Woes_74,

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

- CherryCola_90, ClamChowder_94, CoveyB_93, Egi03_89, PinkCoffee_93, RobinSparkles_65,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 1:

- Found in 1 of 35 (2.9%) of genes in pham

- Manual Annotations of this start: 1 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RobinSparkles_65 (CX),

Start 3:

- Found in 5 of 35 (14.3%) of genes in pham
- Manual Annotations of this start: 5 of 35
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryCola_90 (DC1), ClamChowder_94 (DC1), CoveyB_93 (DC1), Egi03_89 (DC1), PinkCoffee_93 (DC1),

Start 6:

- Found in 35 of 35 (100.0%) of genes in pham
- Manual Annotations of this start: 29 of 35
- Called 82.9% of time when present
- Phage (with cluster) where this start called: Anamika_74 (CS3), Berries_75 (CS3), Bianmat_75 (CS3), Charianelly_75 (CS3), Damp_75 (CS3), GalacticEye_75 (CS3), Gibbles_60 (CX), Guillaume_74 (CS3), Hail2Pitt_73 (CS3), Harambe_74 (CS3), Hello_74 (CS3), Jams_75 (CS3), Jormungandr_74 (CS3), Kampe_62 (CX), Kaseim_75 (CS3), Lahirium_74 (CS3), Lidong_75 (CS3), Luker_76 (CS3), Minos_76 (CS3), MrWormie_75 (CS3), Neoevie_74 (CS3), Newt_76 (CS3), Nimi13_74 (CS3), Orchid_61 (CX), PatrickStar_62 (CX), Shelley_75 (CS3), Sticker17_75 (CS3), Teal_74 (CS3), Woes_74 (CS3),

Summary by clusters:

There are 3 clusters represented in this pham: CX, CS3, DC1,

Info for manual annotations of cluster CS3:

- Start number 6 was manually annotated 25 times for cluster CS3.

Info for manual annotations of cluster CX:

- Start number 1 was manually annotated 1 time for cluster CX.
- Start number 6 was manually annotated 4 times for cluster CX.

Info for manual annotations of cluster DC1:

- Start number 3 was manually annotated 5 times for cluster DC1.

Gene Information:

Gene: Anamika_74 Start: 60867, Stop: 60544, Start Num: 6

Candidate Starts for Anamika_74:

(Start: 6 @60867 has 29 MA's), (8, 60771), (9, 60765), (16, 60651), (17, 60648), (18, 60621), (19, 60609),

Gene: Berries_75 Start: 60839, Stop: 60516, Start Num: 6

Candidate Starts for Berries_75:

(Start: 6 @60839 has 29 MA's), (8, 60743), (9, 60737), (16, 60623), (17, 60620), (18, 60593), (19, 60581),

Gene: Bianmat_75 Start: 60879, Stop: 60556, Start Num: 6

Candidate Starts for Bianmat_75:

(Start: 6 @60879 has 29 MA's), (8, 60783), (9, 60777), (16, 60663), (17, 60660), (18, 60633), (19, 60621),

Gene: Charianelly_75 Start: 60589, Stop: 60266, Start Num: 6

Candidate Starts for Charianelly_75:

(Start: 6 @60589 has 29 MA's), (8, 60493), (9, 60487), (16, 60373), (17, 60370), (18, 60343), (19, 60331),

Gene: CherryCola_90 Start: 58146, Stop: 57721, Start Num: 3

Candidate Starts for CherryCola_90:

(2, 58149), (Start: 3 @58146 has 5 MA's), (5, 58101), (Start: 6 @58059 has 29 MA's), (7, 57993), (12, 57900), (14, 57852), (15, 57846),

Gene: ClamChowder_94 Start: 58597, Stop: 58172, Start Num: 3

Candidate Starts for ClamChowder_94:

(2, 58600), (Start: 3 @58597 has 5 MA's), (5, 58552), (Start: 6 @58510 has 29 MA's), (7, 58444), (10, 58399), (12, 58351), (14, 58303), (15, 58297),

Gene: CoveyB_93 Start: 58084, Stop: 57659, Start Num: 3

Candidate Starts for CoveyB_93:

(2, 58087), (Start: 3 @58084 has 5 MA's), (5, 58039), (Start: 6 @57997 has 29 MA's), (7, 57931), (10, 57886), (12, 57838), (14, 57790), (15, 57784),

Gene: Damp_75 Start: 59753, Stop: 59430, Start Num: 6

Candidate Starts for Damp_75:

(Start: 6 @59753 has 29 MA's), (8, 59657), (9, 59651), (16, 59537), (17, 59534), (18, 59507), (19, 59495),

Gene: Egi03_89 Start: 57168, Stop: 56743, Start Num: 3

Candidate Starts for Egi03_89:

(2, 57171), (Start: 3 @57168 has 5 MA's), (5, 57123), (Start: 6 @57081 has 29 MA's), (7, 57015), (12, 56922), (14, 56874), (15, 56868),

Gene: GalacticEye_75 Start: 60550, Stop: 60227, Start Num: 6

Candidate Starts for GalacticEye_75:

(Start: 6 @60550 has 29 MA's), (8, 60454), (9, 60448), (16, 60334), (17, 60331), (18, 60304), (19, 60292),

Gene: Gibbles_60 Start: 52361, Stop: 52059, Start Num: 6

Candidate Starts for Gibbles_60:

(Start: 6 @52361 has 29 MA's), (11, 52250), (13, 52205),

Gene: Guillaume_74 Start: 60600, Stop: 60277, Start Num: 6

Candidate Starts for Guillaume_74:

(Start: 6 @60600 has 29 MA's), (8, 60504), (9, 60498), (16, 60384), (17, 60381), (18, 60354), (19, 60342),

Gene: Hail2Pitt_73 Start: 61076, Stop: 60753, Start Num: 6

Candidate Starts for Hail2Pitt_73:

(Start: 6 @61076 has 29 MA's), (8, 60980), (9, 60974), (16, 60860), (17, 60857), (18, 60830), (19, 60818),

Gene: Harambe_74 Start: 60867, Stop: 60544, Start Num: 6
Candidate Starts for Harambe_74:
(Start: 6 @60867 has 29 MA's), (8, 60771), (9, 60765), (16, 60651), (17, 60648), (18, 60621), (19, 60609),

Gene: Hello_74 Start: 60829, Stop: 60506, Start Num: 6
Candidate Starts for Hello_74:
(Start: 6 @60829 has 29 MA's), (8, 60733), (9, 60727), (16, 60613), (17, 60610), (18, 60583), (19, 60571),

Gene: Jams_75 Start: 60039, Stop: 59716, Start Num: 6
Candidate Starts for Jams_75:
(Start: 6 @60039 has 29 MA's), (8, 59943), (9, 59937), (16, 59823), (17, 59820), (18, 59793), (19, 59781),

Gene: Jormungandr_74 Start: 60582, Stop: 60259, Start Num: 6
Candidate Starts for Jormungandr_74:
(Start: 6 @60582 has 29 MA's), (8, 60486), (9, 60480), (16, 60366), (17, 60363), (18, 60336), (19, 60324),

Gene: Kampe_62 Start: 52344, Stop: 52042, Start Num: 6
Candidate Starts for Kampe_62:
(Start: 6 @52344 has 29 MA's), (11, 52233), (13, 52188),

Gene: Kaseim_75 Start: 60024, Stop: 59701, Start Num: 6
Candidate Starts for Kaseim_75:
(Start: 6 @60024 has 29 MA's), (8, 59928), (9, 59922), (16, 59808), (17, 59805), (18, 59778), (19, 59766),

Gene: Lahirium_74 Start: 61104, Stop: 60781, Start Num: 6
Candidate Starts for Lahirium_74:
(Start: 6 @61104 has 29 MA's), (8, 61008), (9, 61002), (16, 60888), (17, 60885), (18, 60858), (19, 60846),

Gene: Lidong_75 Start: 60839, Stop: 60516, Start Num: 6
Candidate Starts for Lidong_75:
(Start: 6 @60839 has 29 MA's), (8, 60743), (9, 60737), (16, 60623), (17, 60620), (18, 60593), (19, 60581),

Gene: Luker_76 Start: 61057, Stop: 60734, Start Num: 6
Candidate Starts for Luker_76:
(Start: 6 @61057 has 29 MA's), (8, 60961), (9, 60955), (16, 60841), (17, 60838), (18, 60811), (19, 60799),

Gene: Minos_76 Start: 60581, Stop: 60258, Start Num: 6
Candidate Starts for Minos_76:
(Start: 6 @60581 has 29 MA's), (8, 60485), (9, 60479), (16, 60365), (17, 60362), (18, 60335), (19, 60323),

Gene: MrWormie_75 Start: 59742, Stop: 59419, Start Num: 6
Candidate Starts for MrWormie_75:
(Start: 6 @59742 has 29 MA's), (8, 59646), (9, 59640), (16, 59526), (17, 59523), (18, 59496), (19, 59484),

Gene: Neoevie_74 Start: 60843, Stop: 60520, Start Num: 6

Candidate Starts for Neoevie_74:

(Start: 6 @60843 has 29 MA's), (8, 60747), (9, 60741), (16, 60627), (17, 60624), (18, 60597), (19, 60585),

Gene: Newt_76 Start: 61071, Stop: 60748, Start Num: 6

Candidate Starts for Newt_76:

(Start: 6 @61071 has 29 MA's), (8, 60975), (9, 60969), (16, 60855), (17, 60852), (18, 60825), (19, 60813),

Gene: Nimi13_74 Start: 60590, Stop: 60267, Start Num: 6

Candidate Starts for Nimi13_74:

(Start: 6 @60590 has 29 MA's), (8, 60494), (9, 60488), (16, 60374), (17, 60371), (18, 60344), (19, 60332),

Gene: Orchid_61 Start: 52345, Stop: 52043, Start Num: 6

Candidate Starts for Orchid_61:

(Start: 6 @52345 has 29 MA's), (11, 52234), (13, 52189),

Gene: PatrickStar_62 Start: 52344, Stop: 52042, Start Num: 6

Candidate Starts for PatrickStar_62:

(Start: 6 @52344 has 29 MA's), (11, 52233), (13, 52188),

Gene: PinkCoffee_93 Start: 57642, Stop: 57217, Start Num: 3

Candidate Starts for PinkCoffee_93:

(2, 57645), (Start: 3 @57642 has 5 MA's), (5, 57597), (Start: 6 @57555 has 29 MA's), (7, 57489), (10, 57444), (12, 57396), (14, 57348), (15, 57342),

Gene: RobinSparkles_65 Start: 52999, Stop: 52595, Start Num: 1

Candidate Starts for RobinSparkles_65:

(Start: 1 @52999 has 1 MA's), (4, 52945), (Start: 6 @52897 has 29 MA's), (11, 52786), (13, 52741),

Gene: Shelley_75 Start: 60066, Stop: 59743, Start Num: 6

Candidate Starts for Shelley_75:

(Start: 6 @60066 has 29 MA's), (8, 59970), (9, 59964), (16, 59850), (17, 59847), (18, 59820), (19, 59808),

Gene: Sticker17_75 Start: 60554, Stop: 60231, Start Num: 6

Candidate Starts for Sticker17_75:

(Start: 6 @60554 has 29 MA's), (8, 60458), (9, 60452), (16, 60338), (17, 60335), (18, 60308), (19, 60296),

Gene: Teal_74 Start: 61048, Stop: 60725, Start Num: 6

Candidate Starts for Teal_74:

(Start: 6 @61048 has 29 MA's), (8, 60952), (9, 60946), (16, 60832), (17, 60829), (18, 60802), (19, 60790),

Gene: Woes_74 Start: 61099, Stop: 60776, Start Num: 6

Candidate Starts for Woes_74:

(Start: 6 @61099 has 29 MA's), (8, 61003), (9, 60997), (16, 60883), (17, 60880), (18, 60853), (19, 60841),