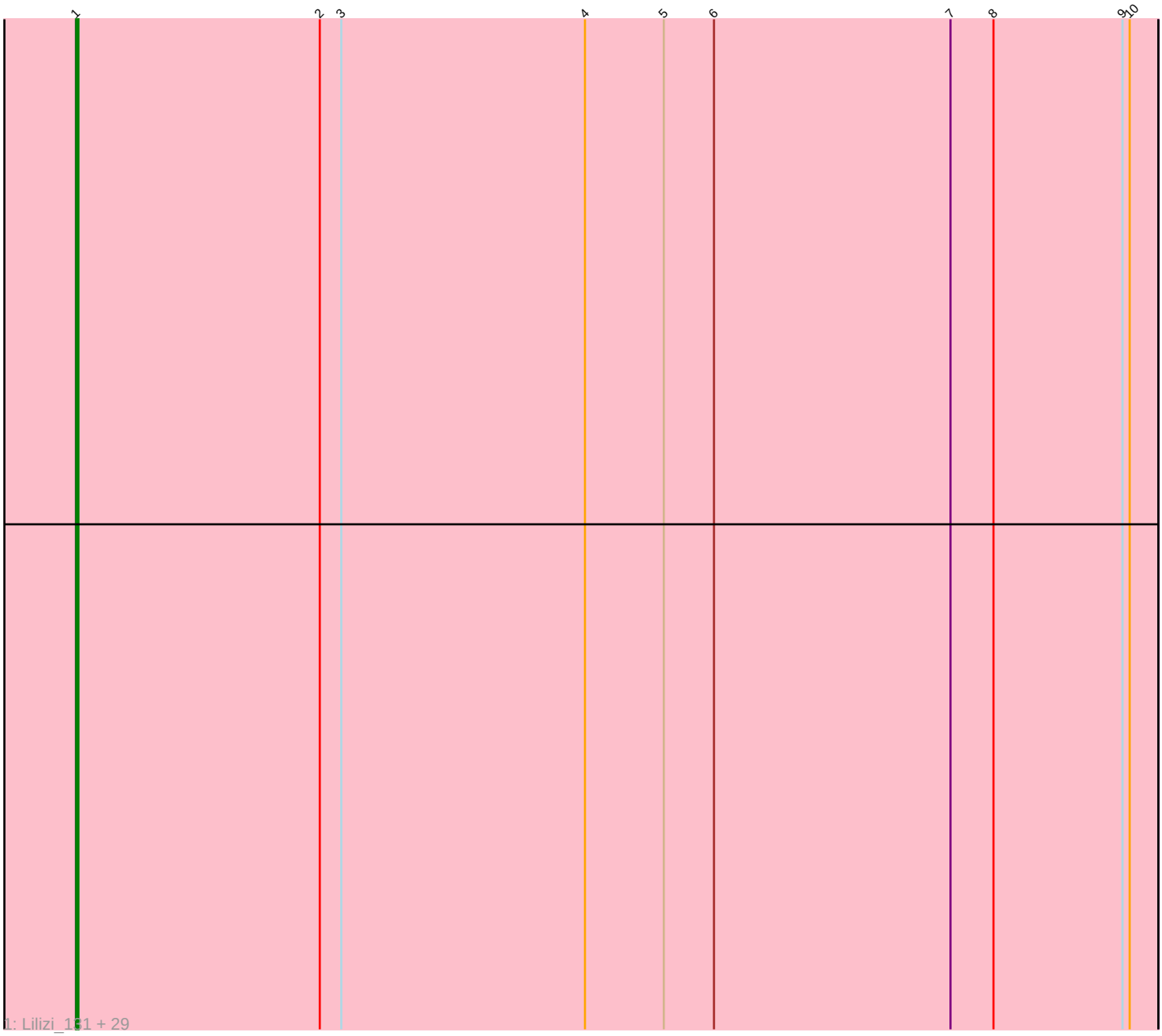
Pham 3094



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 3094 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3094 has 30 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lilizi_131, Lilac_129, GoldenSpark_135, Wiggin_134, Willez_127, Cookies_132, Moldemort_133, Cactus_139, Kimchi_136, Porky_132, Emmina_131, Easy2Say_132, Gemini_136, AmericanBeauty_138, Manda_132, Adnama_135, Bench_133, Hoonter_134, Saints25_127, Xandras_131, TBrady12_135, Highbury_127, Stank_134, SirDuracell_134, Goldilocks_136, Argent26_135, Sotrice96_136, StolenFromERC_133, Holt_137, GooberAzure_133

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

Genes that call this "Most Annotated" start:
• Adnama_135, AmericanBeauty_138, Argent26_135, Bench_133, Cactus_139, Cookies_132, Easy2Say_132, Emmina_131, Gemini_136, GoldenSpark_135, Goldilocks_136, GooberAzure_133, Highbury_127, Holt_137, Hoonter_134, Kimchi_136, Lilac_129, Lilizi_131, Manda_132, Moldemort_133, Porky_132, Saints25_127, SirDuracell_134, Sotrice96_136, Stank_134, StolenFromERC_133, TBrady12_135, Wiggin_134, Willez_127, Xandras_131,

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 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adnama_135 (E), AmericanBeauty_138 (E), Argent26_135 (E), Bench_133 (E), Cactus_139 (E), Cookies_132 (E),

Easy2Say_132 (E), Emmina_131 (E), Gemini_136 (E), GoldenSpark_135 (E), Goldilocks_136 (E), GooberAzure_133 (E), Highbury_127 (E), Holt_137 (E), Hoonter_134 (E), Kimchi_136 (E), Lilac_129 (E), Lilizi_131 (E), Manda_132 (E), Moldemort_133 (E), Porky_132 (E), Saints25_127 (E), SirDuracell_134 (E), Sotrice96_136 (E), Stank_134 (E), StolenFromERC_133 (E), TBrady12_135 (E), Wiggin_134 (E), Willez_127 (E), Xandras_131 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 1 was manually annotated 29 times for cluster E.

Gene Information:

Gene: Adnama_135 Start: 70324, Stop: 69872, Start Num: 1
Candidate Starts for Adnama_135:
(Start: 1 @70324 has 29 MA's), (2, 70222), (3, 70213), (4, 70111), (5, 70078), (6, 70057), (7, 69958), (8, 69940), (9, 69886), (10, 69883),

Gene: AmericanBeauty_138 Start: 70366, Stop: 69914, Start Num: 1
Candidate Starts for AmericanBeauty_138:
(Start: 1 @70366 has 29 MA's), (2, 70264), (3, 70255), (4, 70153), (5, 70120), (6, 70099), (7, 70000), (8, 69982), (9, 69928), (10, 69925),

Gene: Argent26_135 Start: 70248, Stop: 69796, Start Num: 1
Candidate Starts for Argent26_135:
(Start: 1 @70248 has 29 MA's), (2, 70146), (3, 70137), (4, 70035), (5, 70002), (6, 69981), (7, 69882), (8, 69864), (9, 69810), (10, 69807),

Gene: Bench_133 Start: 71005, Stop: 70553, Start Num: 1
Candidate Starts for Bench_133:
(Start: 1 @71005 has 29 MA's), (2, 70903), (3, 70894), (4, 70792), (5, 70759), (6, 70738), (7, 70639), (8, 70621), (9, 70567), (10, 70564),

Gene: Cactus_139 Start: 70802, Stop: 70350, Start Num: 1
Candidate Starts for Cactus_139:
(Start: 1 @70802 has 29 MA's), (2, 70700), (3, 70691), (4, 70589), (5, 70556), (6, 70535), (7, 70436), (8, 70418), (9, 70364), (10, 70361),

Gene: Cookies_132 Start: 71281, Stop: 70829, Start Num: 1
Candidate Starts for Cookies_132:
(Start: 1 @71281 has 29 MA's), (2, 71179), (3, 71170), (4, 71068), (5, 71035), (6, 71014), (7, 70915), (8, 70897), (9, 70843), (10, 70840),

Gene: Easy2Say_132 Start: 70714, Stop: 70262, Start Num: 1
Candidate Starts for Easy2Say_132:
(Start: 1 @70714 has 29 MA's), (2, 70612), (3, 70603), (4, 70501), (5, 70468), (6, 70447), (7, 70348), (8, 70330), (9, 70276), (10, 70273),

Gene: Emmina_131 Start: 69666, Stop: 69214, Start Num: 1
Candidate Starts for Emmina_131:
(Start: 1 @69666 has 29 MA's), (2, 69564), (3, 69555), (4, 69453), (5, 69420), (6, 69399), (7, 69300), (8, 69282), (9, 69228), (10, 69225),

Gene: Gemini_136 Start: 70765, Stop: 70313, Start Num: 1
Candidate Starts for Gemini_136:
(Start: 1 @70765 has 29 MA's), (2, 70663), (3, 70654), (4, 70552), (5, 70519), (6, 70498), (7, 70399), (8, 70381), (9, 70327), (10, 70324),

Gene: GoldenSpark_135 Start: 70248, Stop: 69796, Start Num: 1
Candidate Starts for GoldenSpark_135:
(Start: 1 @70248 has 29 MA's), (2, 70146), (3, 70137), (4, 70035), (5, 70002), (6, 69981), (7, 69882), (8, 69864), (9, 69810), (10, 69807),

Gene: Goldilocks_136 Start: 70844, Stop: 70392, Start Num: 1
Candidate Starts for Goldilocks_136:
(Start: 1 @70844 has 29 MA's), (2, 70742), (3, 70733), (4, 70631), (5, 70598), (6, 70577), (7, 70478), (8, 70460), (9, 70406), (10, 70403),

Gene: GooberAzure_133 Start: 70248, Stop: 69796, Start Num: 1
Candidate Starts for GooberAzure_133:
(Start: 1 @70248 has 29 MA's), (2, 70146), (3, 70137), (4, 70035), (5, 70002), (6, 69981), (7, 69882), (8, 69864), (9, 69810), (10, 69807),

Gene: Highbury_127 Start: 68594, Stop: 68142, Start Num: 1
Candidate Starts for Highbury_127:
(Start: 1 @68594 has 29 MA's), (2, 68492), (3, 68483), (4, 68381), (5, 68348), (6, 68327), (7, 68228), (8, 68210), (9, 68156), (10, 68153),

Gene: Holt_137 Start: 71242, Stop: 70790, Start Num: 1
Candidate Starts for Holt_137:
(Start: 1 @71242 has 29 MA's), (2, 71140), (3, 71131), (4, 71029), (5, 70996), (6, 70975), (7, 70876), (8, 70858), (9, 70804), (10, 70801),

Gene: Hoonter_134 Start: 70741, Stop: 70289, Start Num: 1
Candidate Starts for Hoonter_134:
(Start: 1 @70741 has 29 MA's), (2, 70639), (3, 70630), (4, 70528), (5, 70495), (6, 70474), (7, 70375), (8, 70357), (9, 70303), (10, 70300),

Gene: Kimchi_136 Start: 70969, Stop: 70517, Start Num: 1
Candidate Starts for Kimchi_136:
(Start: 1 @70969 has 29 MA's), (2, 70867), (3, 70858), (4, 70756), (5, 70723), (6, 70702), (7, 70603), (8, 70585), (9, 70531), (10, 70528),

Gene: Lilac_129 Start: 71186, Stop: 70734, Start Num: 1
Candidate Starts for Lilac_129:
(Start: 1 @71186 has 29 MA's), (2, 71084), (3, 71075), (4, 70973), (5, 70940), (6, 70919), (7, 70820), (8, 70802), (9, 70748), (10, 70745),

Gene: Lilizi_131 Start: 70476, Stop: 70024, Start Num: 1
Candidate Starts for Lilizi_131:

(Start: 1 @70476 has 29 MA's), (2, 70374), (3, 70365), (4, 70263), (5, 70230), (6, 70209), (7, 70110), (8, 70092), (9, 70038), (10, 70035),

Gene: Manda_132 Start: 70618, Stop: 70166, Start Num: 1
Candidate Starts for Manda_132:
(Start: 1 @70618 has 29 MA's), (2, 70516), (3, 70507), (4, 70405), (5, 70372), (6, 70351), (7, 70252), (8, 70234), (9, 70180), (10, 70177),

Gene: Moldemort_133 Start: 70356, Stop: 69904, Start Num: 1
Candidate Starts for Moldemort_133:
(Start: 1 @70356 has 29 MA's), (2, 70254), (3, 70245), (4, 70143), (5, 70110), (6, 70089), (7, 69990), (8, 69972), (9, 69918), (10, 69915),

Gene: Porky_132 Start: 70683, Stop: 70231, Start Num: 1
Candidate Starts for Porky_132:
(Start: 1 @70683 has 29 MA's), (2, 70581), (3, 70572), (4, 70470), (5, 70437), (6, 70416), (7, 70317), (8, 70299), (9, 70245), (10, 70242),

Gene: Saints25_127 Start: 68594, Stop: 68142, Start Num: 1
Candidate Starts for Saints25_127:
(Start: 1 @68594 has 29 MA's), (2, 68492), (3, 68483), (4, 68381), (5, 68348), (6, 68327), (7, 68228), (8, 68210), (9, 68156), (10, 68153),

Gene: SirDuracell_134 Start: 70850, Stop: 70398, Start Num: 1
Candidate Starts for SirDuracell_134:
(Start: 1 @70850 has 29 MA's), (2, 70748), (3, 70739), (4, 70637), (5, 70604), (6, 70583), (7, 70484), (8, 70466), (9, 70412), (10, 70409),

Gene: Sotrice96_136 Start: 71546, Stop: 71094, Start Num: 1
Candidate Starts for Sotrice96_136:
(Start: 1 @71546 has 29 MA's), (2, 71444), (3, 71435), (4, 71333), (5, 71300), (6, 71279), (7, 71180), (8, 71162), (9, 71108), (10, 71105),

Gene: Stank_134 Start: 71041, Stop: 70589, Start Num: 1
Candidate Starts for Stank_134:
(Start: 1 @71041 has 29 MA's), (2, 70939), (3, 70930), (4, 70828), (5, 70795), (6, 70774), (7, 70675), (8, 70657), (9, 70603), (10, 70600),

Gene: StolenFromERC_133 Start: 70386, Stop: 69934, Start Num: 1
Candidate Starts for StolenFromERC_133:
(Start: 1 @70386 has 29 MA's), (2, 70284), (3, 70275), (4, 70173), (5, 70140), (6, 70119), (7, 70020), (8, 70002), (9, 69948), (10, 69945),

Gene: TBrady12_135 Start: 70478, Stop: 70026, Start Num: 1
Candidate Starts for TBrady12_135:
(Start: 1 @70478 has 29 MA's), (2, 70376), (3, 70367), (4, 70265), (5, 70232), (6, 70211), (7, 70112), (8, 70094), (9, 70040), (10, 70037),

Gene: Wiggin_134 Start: 70471, Stop: 70019, Start Num: 1
Candidate Starts for Wiggin_134:
(Start: 1 @70471 has 29 MA's), (2, 70369), (3, 70360), (4, 70258), (5, 70225), (6, 70204), (7, 70105), (8, 70087), (9, 70033), (10, 70030),

Gene: Willez_127 Start: 69104, Stop: 68652, Start Num: 1
Candidate Starts for Willez_127:
(Start: 1 @69104 has 29 MA's), (2, 69002), (3, 68993), (4, 68891), (5, 68858), (6, 68837), (7, 68738), (8, 68720), (9, 68666), (10, 68663),

Gene: Xandras_131 Start: 70295, Stop: 69843, Start Num: 1
Candidate Starts for Xandras_131:
(Start: 1 @70295 has 29 MA's), (2, 70193), (3, 70184), (4, 70082), (5, 70049), (6, 70028), (7, 69929), (8, 69911), (9, 69857), (10, 69854),