Pham 224656


1: Targaryen_126 + 10
2: BlueOtter_124 + 15
3: Bartholomune_123 + 3
4: Tribute_122
5: MulchMansion_122 + 3
6: Bmoc_126
7: Mildred21_130
8: Anedea_126
9: Cadmus_124
10: Riptide_124
11: Daubenski_124
12: Forrest_110
13: Gilson_105 + 3
14: Westy_104 + 1
15: SparkleGoddess_103 + 1

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 224656 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224656 has 51 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Targaryen_125, Paradiddles_119, Evy_122, Liandry_123, Shuckle_123, Jay2Jay_129, Squillium_124, NootNoot_120, Braelyn_124, Warpy_128, PinkiePie_121
• Track 2 : BlueOtter_124, Leo04_125, Scheme_126, EGole_127, Peebs_122, Cross_124, Sushi23_123, Teutsch_123, Samisti12_125, Cursive_122, Watermoore_123, Lululemon_123, HangryHippo_124, PacManQ_123, Larnav_124, Pepperwood_124
• Track 3 : Bartholomune_123, Persimmon_123, Navo_121, WhereRU_122
• Track 4 : Tribute_122
• Track 5 : MulchMansion_122, Angela_123, Marsus_128, LilMartin_122
• Track 6 : Bmoc_126
• Track 7 : Mildred21_130
• Track 8 : Anedea_126
• Track 9 : Cadmus_124
• Track 10 : Riptide_124
• Track 11 : Daubenski_124
• Track 12 : Forrest_110
• Track 13 : Gilson_105, Jada_105, MeganTheeKilla_103, Emma1919_106
• Track 14 : Westy_104, Belfort_105
• Track 15 : SparkleGoddess_103, Stigma_102

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 45 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_126, Angela_123, Bartholomune_123, Belfort_105, BlueOtter_124, Bmoc_126, Braelyn_124, Cadmus_124, Cross_124, Cursive_122, Daubenski_124, EGole_127, Emma1919_106, Evy_122, Forrest_110, Gilson_105, HangryHippo_124, Jada_105, Jay2Jay_129, Larnav_124, Leo04_125, Liandry_123, LilMartin_122, Lululemon_123, Marsus_128, MeganTheeKilla_103, Mildred21_130, MulchMansion_122, Navo_121, NootNoot_120, PacManQ_123, Paradiddles_119, Peebs_122, Pepperwood_124, Persimmon_123, PinkiePie_121, Riptide_124,

Samisti12_125, Scheme_126, Shuckle_123, SparkleGoddess_103, Squillium_124, Stigma_102, Sushi23_123, Targaryen_125, Teutsch_123, Tribute_122, Warpy_128, Watermoore_123, Westy_104, WhereRU_122,

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 51 of 51 (100.0%) of genes in pham
• Manual Annotations of this start: 45 of 45
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_126 (BE1), Angela_123 (BE1), Bartholomune_123 (BE1), Belfort_105 (BK1), BlueOtter_124 (BE1), Bmoc_126 (BE1), Braelyn_124 (BE1), Cadmus_124 (BE1), Cross_124 (BE1), Cursive_122 (BE1), Daubenski_124 (BE1), EGole_127 (BE1), Emma1919_106 (BK1), Evy_122 (BE1), Forrest_110 (BK1), Gilson_105 (BK1), HangryHippo_124 (BE1), Jada_105 (BK1), Jay2Jay_129 (BE1), Larnav_124 (BE1), Leo04_125 (BE1), Liandry_123 (BE1), LilMartin_122 (BE1), Lululemon_123 (BE1), Marsus_128 (BE1), MeganTheeKilla_103 (BK1), Mildred21_130 (BE1), MulchMansion_122 (BE1), Navo_121 (BE1), NootNoot_120 (BE1), PacManQ_123 (BE1), Paradiddles_119 (BE1), Peebs_122 (BE1), Pepperwood_124 (BE1), Persimmon_123 (BE1), PinkiePie_121 (BE1), Riptide_124 (BE1), Samisti12_125 (BE1), Scheme_126 (BE1), Shuckle_123 (BE1), SparkleGoddess_103 (BK1), Squillium_124 (BE1), Stigma_102 (BK1), Sushi23_123 (BE1), Targaryen_125 (BE1), Teutsch_123 (BE1), Tribute_122 (BE1), Warpy_128 (BE1), Watermoore_123 (BE1), Westy_104 (BK1), WhereRU_122 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 37 times for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 8 times for cluster BK1.

Gene Information:

Gene: Anedea_126 Start: 79387, Stop: 79803, Start Num: 2
Candidate Starts for Anedea_126:
(Start: 2 @79387 has 45 MA's), (8, 79549), (15, 79678), (18, 79708), (20, 79774), (21, 79777),

Gene: Angela_123 Start: 79460, Stop: 79876, Start Num: 2
Candidate Starts for Angela_123:
(Start: 2 @79460 has 45 MA's), (15, 79751),

Gene: Bartholomune_123 Start: 79645, Stop: 80067, Start Num: 2
Candidate Starts for Bartholomune_123:
(Start: 2 @79645 has 45 MA's), (15, 79936), (21, 80035), (22, 80059),

Gene: Belfort_105 Start: 69661, Stop: 70026, Start Num: 2
Candidate Starts for Belfort_105:
(Start: 2 @69661 has 45 MA's), (3, 69664), (5, 69751), (11, 69871), (13, 69913), (16, 69937), (17, 69952), (19, 69970),

Gene: BlueOtter_124 Start: 81894, Stop: 82310, Start Num: 2
Candidate Starts for BlueOtter_124:
(Start: 2 @81894 has 45 MA's), (9, 82089), (15, 82185), (21, 82284),

Gene: Bmoc_126 Start: 79770, Stop: 80192, Start Num: 2
Candidate Starts for Bmoc_126:
(Start: 2 @79770 has 45 MA's), (8, 79932), (21, 80160), (22, 80184),

Gene: Braelyn_124 Start: 80531, Stop: 80953, Start Num: 2
Candidate Starts for Braelyn_124:
(Start: 2 @80531 has 45 MA's), (9, 80726), (15, 80822), (21, 80921), (22, 80945),

Gene: Cadmus_124 Start: 80245, Stop: 80658, Start Num: 2
Candidate Starts for Cadmus_124:
(Start: 2 @80245 has 45 MA's), (6, 80338), (10, 80461), (12, 80512), (13, 80515),

Gene: Cross_124 Start: 81895, Stop: 82311, Start Num: 2
Candidate Starts for Cross_124:
(Start: 2 @81895 has 45 MA's), (9, 82090), (15, 82186), (21, 82285),

Gene: Cursive_122 Start: 80104, Stop: 80520, Start Num: 2
Candidate Starts for Cursive_122:
(Start: 2 @80104 has 45 MA's), (9, 80299), (15, 80395), (21, 80494),

Gene: Daubenski_124 Start: 81481, Stop: 81894, Start Num: 2
Candidate Starts for Daubenski_124:
(Start: 2 @81481 has 45 MA's), (6, 81574), (10, 81697), (12, 81748),

Gene: EGole_127 Start: 82928, Stop: 83344, Start Num: 2
Candidate Starts for EGole_127:
(Start: 2 @82928 has 45 MA's), (9, 83123), (15, 83219), (21, 83318),

Gene: Emma1919_106 Start: 68431, Stop: 68796, Start Num: 2
Candidate Starts for Emma1919_106:
(Start: 2 @68431 has 45 MA's), (4, 68470), (5, 68521), (11, 68641), (13, 68683), (17, 68722), (19, 68740),

Gene: Evy_122 Start: 81803, Stop: 82225, Start Num: 2
Candidate Starts for Evy_122:
(Start: 2 @81803 has 45 MA's), (9, 81998), (15, 82094), (21, 82193), (22, 82217),

Gene: Forrest_110 Start: 70740, Stop: 71105, Start Num: 2
Candidate Starts for Forrest_110:

(Start: 2 @70740 has 45 MA's), (4, 70779), (5, 70830), (11, 70950), (13, 70992), (14, 70998), (17, 71031), (19, 71049),

Gene: Gilson_105 Start: 68393, Stop: 68758, Start Num: 2
Candidate Starts for Gilson_105:
(Start: 2 @68393 has 45 MA's), (4, 68432), (5, 68483), (11, 68603), (13, 68645), (17, 68684), (19, 68702),

Gene: HangryHippo_124 Start: 81894, Stop: 82310, Start Num: 2
Candidate Starts for HangryHippo_124:
(Start: 2 @81894 has 45 MA's), (9, 82089), (15, 82185), (21, 82284),

Gene: Jada_105 Start: 68906, Stop: 69271, Start Num: 2
Candidate Starts for Jada_105:
(Start: 2 @68906 has 45 MA's), (4, 68945), (5, 68996), (11, 69116), (13, 69158), (17, 69197), (19, 69215),

Gene: Jay2Jay_129 Start: 82640, Stop: 83062, Start Num: 2
Candidate Starts for Jay2Jay_129:
(Start: 2 @82640 has 45 MA's), (9, 82835), (15, 82931), (21, 83030), (22, 83054),

Gene: Larnav_124 Start: 81878, Stop: 82294, Start Num: 2
Candidate Starts for Larnav_124:
(Start: 2 @81878 has 45 MA's), (9, 82073), (15, 82169), (21, 82268),

Gene: Leo04_125 Start: 82394, Stop: 82810, Start Num: 2
Candidate Starts for Leo04_125:
(Start: 2 @82394 has 45 MA's), (9, 82589), (15, 82685), (21, 82784),

Gene: Liandry_123 Start: 80388, Stop: 80810, Start Num: 2
Candidate Starts for Liandry_123:
(Start: 2 @80388 has 45 MA's), (9, 80583), (15, 80679), (21, 80778), (22, 80802),

Gene: LilMartin_122 Start: 79365, Stop: 79781, Start Num: 2
Candidate Starts for LilMartin_122:
(Start: 2 @79365 has 45 MA's), (15, 79656),

Gene: Lululemon_123 Start: 81275, Stop: 81691, Start Num: 2
Candidate Starts for Lululemon_123:
(Start: 2 @81275 has 45 MA's), (9, 81470), (15, 81566), (21, 81665),

Gene: Marsus_128 Start: 79839, Stop: 80255, Start Num: 2
Candidate Starts for Marsus_128:
(Start: 2 @79839 has 45 MA's), (15, 80130),

Gene: MeganTheeKilla_103 Start: 67750, Stop: 68115, Start Num: 2
Candidate Starts for MeganTheeKilla_103:
(Start: 2 @67750 has 45 MA's), (4, 67789), (5, 67840), (11, 67960), (13, 68002), (17, 68041), (19, 68059),

Gene: Mildred21_130 Start: 80335, Stop: 80751, Start Num: 2
Candidate Starts for Mildred21_130:
(1, 80314), (Start: 2 @80335 has 45 MA's), (13, 80605), (22, 80743),

Gene: MulchMansion_122 Start: 79408, Stop: 79824, Start Num: 2
Candidate Starts for MulchMansion_122:
(Start: 2 @79408 has 45 MA's), (15, 79699),

Gene: Navo_121 Start: 80193, Stop: 80615, Start Num: 2
Candidate Starts for Navo_121:
(Start: 2 @80193 has 45 MA's), (15, 80484), (21, 80583), (22, 80607),

Gene: NootNoot_120 Start: 79302, Stop: 79724, Start Num: 2
Candidate Starts for NootNoot_120:
(Start: 2 @79302 has 45 MA's), (9, 79497), (15, 79593), (21, 79692), (22, 79716),

Gene: PacManQ_123 Start: 81275, Stop: 81691, Start Num: 2
Candidate Starts for PacManQ_123:
(Start: 2 @81275 has 45 MA's), (9, 81470), (15, 81566), (21, 81665),

Gene: Paradiddles_119 Start: 81204, Stop: 81626, Start Num: 2
Candidate Starts for Paradiddles_119:
(Start: 2 @81204 has 45 MA's), (9, 81399), (15, 81495), (21, 81594), (22, 81618),

Gene: Peebs_122 Start: 81691, Stop: 82107, Start Num: 2
Candidate Starts for Peebs_122:
(Start: 2 @81691 has 45 MA's), (9, 81886), (15, 81982), (21, 82081),

Gene: Pepperwood_124 Start: 81822, Stop: 82238, Start Num: 2
Candidate Starts for Pepperwood_124:
(Start: 2 @81822 has 45 MA's), (9, 82017), (15, 82113), (21, 82212),

Gene: Persimmon_123 Start: 79236, Stop: 79658, Start Num: 2
Candidate Starts for Persimmon_123:
(Start: 2 @79236 has 45 MA's), (15, 79527), (21, 79626), (22, 79650),

Gene: PinkiePie_121 Start: 80388, Stop: 80810, Start Num: 2
Candidate Starts for PinkiePie_121:
(Start: 2 @80388 has 45 MA's), (9, 80583), (15, 80679), (21, 80778), (22, 80802),

Gene: Riptide_124 Start: 79065, Stop: 79481, Start Num: 2
Candidate Starts for Riptide_124:
(Start: 2 @79065 has 45 MA's), (7, 79167), (8, 79227), (15, 79356), (18, 79386), (20, 79452), (21, 79455),

Gene: Samisti12_125 Start: 83070, Stop: 83486, Start Num: 2
Candidate Starts for Samisti12_125:
(Start: 2 @83070 has 45 MA's), (9, 83265), (15, 83361), (21, 83460),

Gene: Scheme_126 Start: 82476, Stop: 82892, Start Num: 2
Candidate Starts for Scheme_126:
(Start: 2 @82476 has 45 MA's), (9, 82671), (15, 82767), (21, 82866),

Gene: Shuckle_123 Start: 80541, Stop: 80963, Start Num: 2
Candidate Starts for Shuckle_123:
(Start: 2 @80541 has 45 MA's), (9, 80736), (15, 80832), (21, 80931), (22, 80955),

Gene: SparkleGoddess_103 Start: 69278, Stop: 69643, Start Num: 2
Candidate Starts for SparkleGoddess_103:
(Start: 2 @69278 has 45 MA's), (3, 69281), (5, 69368), (11, 69488), (13, 69530), (17, 69569), (19, 69587),

Gene: Squillium_124 Start: 80390, Stop: 80812, Start Num: 2
Candidate Starts for Squillium_124:
(Start: 2 @80390 has 45 MA's), (9, 80585), (15, 80681), (21, 80780), (22, 80804),

Gene: Stigma_102 Start: 69286, Stop: 69651, Start Num: 2
Candidate Starts for Stigma_102:
(Start: 2 @69286 has 45 MA's), (3, 69289), (5, 69376), (11, 69496), (13, 69538), (17, 69577), (19, 69595),

Gene: Sushi23_123 Start: 82047, Stop: 82463, Start Num: 2
Candidate Starts for Sushi23_123:
(Start: 2 @82047 has 45 MA's), (9, 82242), (15, 82338), (21, 82437),

Gene: Targaryen_125 Start: 82782, Stop: 83204, Start Num: 2
Candidate Starts for Targaryen_125:
(Start: 2 @82782 has 45 MA's), (9, 82977), (15, 83073), (21, 83172), (22, 83196),

Gene: Teutsch_123 Start: 82252, Stop: 82668, Start Num: 2
Candidate Starts for Teutsch_123:
(Start: 2 @82252 has 45 MA's), (9, 82447), (15, 82543), (21, 82642),

Gene: Tribute_122 Start: 81901, Stop: 82317, Start Num: 2
Candidate Starts for Tribute_122:
(Start: 2 @81901 has 45 MA's), (9, 82096), (15, 82192),

Gene: Warpy_128 Start: 82295, Stop: 82717, Start Num: 2
Candidate Starts for Warpy_128:
(Start: 2 @82295 has 45 MA's), (9, 82490), (15, 82586), (21, 82685), (22, 82709),

Gene: Watermoore_123 Start: 82466, Stop: 82882, Start Num: 2
Candidate Starts for Watermoore_123:
(Start: 2 @82466 has 45 MA's), (9, 82661), (15, 82757), (21, 82856),

Gene: Westy_104 Start: 70313, Stop: 70678, Start Num: 2
Candidate Starts for Westy_104:
(Start: 2 @70313 has 45 MA's), (3, 70316), (5, 70403), (11, 70523), (13, 70565), (16, 70589), (17, 70604), (19, 70622),

Gene: WhereRU_122 Start: 79988, Stop: 80410, Start Num: 2
Candidate Starts for WhereRU_122:
(Start: 2 @79988 has 45 MA's), (15, 80279), (21, 80378), (22, 80402),