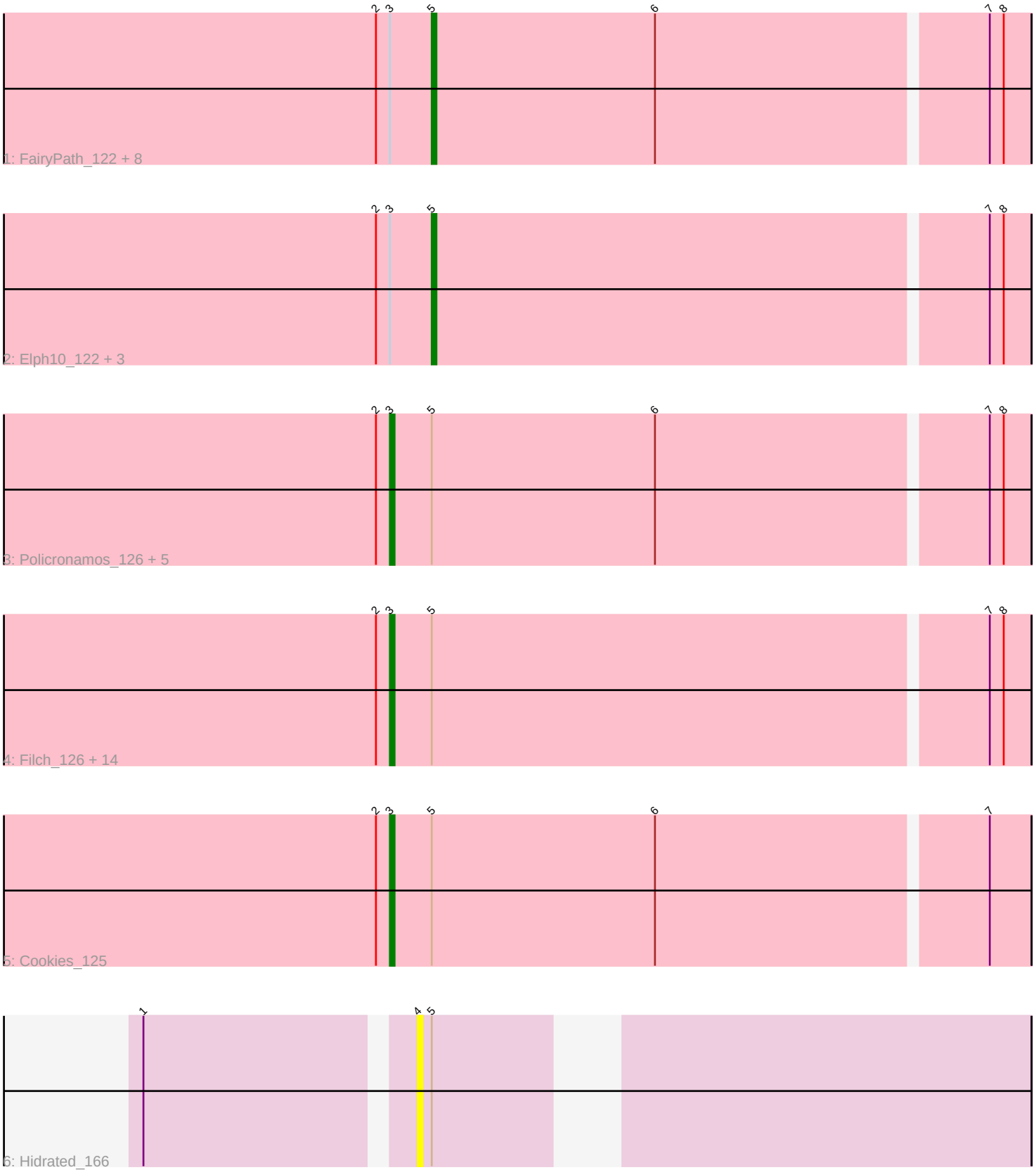
Pham 271902


2
3
5
6
7
8
1: FairyPath_122 + 8
2: Elph10_122 + 3
3: Policronamos_126 + 5
4: Filch_126 + 14
5: Cookies_125
1
4
5
6: Hidrated_166

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 271902 Report

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

Pham number 271902 has 36 members, 7 are drafts.

Phages represented in each track:
• Track 1 : FairyPath_122, Ptowny_118, Nala_125, Goku_123, IHOP_126, BugsBunny_123, NoSleep_123, Rakim_125, Phaja_126
• Track 2 : Elph10_122, FoghornLeghorn_122, Brewer_117, Becksu_123
• Track 3 : Policronamos_126, Rimmer_121, BigBubba_125, BilboSwaggins_122, Cactus_131, StolenFromERC_125
• Track 4 : Filch_126, Holt_129, Palpatine_124, Xandras_123, ChotaBhai_127, Miniwave_117, Wiggin_126, Thresher_124, Stank_126, Moldemort_125, HanKaySha_123, Adnama_127, AmericanBeauty_126, Gemini_128, Bench_125
• Track 5 : Cookies_125
• Track 6 : Hidrated_166

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

The start number called the most often in the published annotations is 3, it was called in 22 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adnama_127, AmericanBeauty_126, Bench_125, BigBubba_125, BilboSwaggins_122, Cactus_131, ChotaBhai_127, Cookies_125, Filch_126, Gemini_128, HanKaySha_123, Holt_129, Miniwave_117, Moldemort_125, Palpatine_124, Policronamos_126, Rimmer_121, Stank_126, StolenFromERC_125, Thresher_124, Wiggin_126, Xandras_123,

Genes that have the "Most Annotated" start but do not call it:
• Becksu_123, Brewer_117, BugsBunny_123, Elph10_122, FairyPath_122, FoghornLeghorn_122, Goku_123, IHOP_126, Nala_125, NoSleep_123, Phaja_126, Ptowny_118, Rakim_125,

Genes that do not have the "Most Annotated" start:
• Hidrated_166,

Summary by start number:

Start 3:

• Found in 35 of 36 (97.2%) of genes in pham
• Manual Annotations of this start: 22 of 29
• Called 62.9% of time when present
• Phage (with cluster) where this start called: Adnama_127 (E), AmericanBeauty_126 (E), Bench_125 (E), BigBubba_125 (E), BilboSwaggins_122 (E), Cactus_131 (E), ChotaBhai_127 (E), Cookies_125 (E), Filch_126 (E), Gemini_128 (E), HanKaySha_123 (E), Holt_129 (E), Miniwave_117 (E), Moldemort_125 (E), Palpatine_124 (E), Policronamos_126 (E), Rimmer_121 (E), Stank_126 (E), StolenFromERC_125 (E), Thresher_124 (E), Wiggin_126 (E), Xandras_123 (E),

Start 4:
• Found in 1 of 36 (2.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hidrated_166 (J),

Start 5:
• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 29
• Called 36.1% of time when present
• Phage (with cluster) where this start called: Becksu_123 (E), Brewer_117 (E), BugsBunny_123 (E), Elph10_122 (E), FairyPath_122 (E), FoghornLeghorn_122 (E), Goku_123 (E), IHOP_126 (E), Nala_125 (E), NoSleep_123 (E), Phaja_126 (E), Ptowny_118 (E), Rakim_125 (E),

Summary by clusters:

There are 2 clusters represented in this pham: J, E,

Info for manual annotations of cluster E:
•Start number 3 was manually annotated 22 times for cluster E.
•Start number 5 was manually annotated 7 times for cluster E.

Gene Information:

Gene: Adnama_127 Start: 67673, Stop: 67807, Start Num: 3
Candidate Starts for Adnama_127:
(2, 67670), (Start: 3 @67673 has 22 MA's), (Start: 5 @67682 has 7 MA's), (7, 67799), (8, 67802),

Gene: AmericanBeauty_126 Start: 67715, Stop: 67849, Start Num: 3
Candidate Starts for AmericanBeauty_126:
(2, 67712), (Start: 3 @67715 has 22 MA's), (Start: 5 @67724 has 7 MA's), (7, 67841), (8, 67844),

Gene: Becksu_123 Start: 68588, Stop: 68713, Start Num: 5
Candidate Starts for Becksu_123:
(2, 68576), (Start: 3 @68579 has 22 MA's), (Start: 5 @68588 has 7 MA's), (7, 68705), (8, 68708),

Gene: Bench_125 Start: 68354, Stop: 68488, Start Num: 3
Candidate Starts for Bench_125:
(2, 68351), (Start: 3 @68354 has 22 MA's), (Start: 5 @68363 has 7 MA's), (7, 68480), (8, 68483),

Gene: BigBubba_125 Start: 67406, Stop: 67540, Start Num: 3
Candidate Starts for BigBubba_125:
(2, 67403), (Start: 3 @67406 has 22 MA's), (Start: 5 @67415 has 7 MA's), (6, 67463), (7, 67532), (8, 67535),

Gene: BilboSwaggins_122 Start: 68828, Stop: 68962, Start Num: 3
Candidate Starts for BilboSwaggins_122:
(2, 68825), (Start: 3 @68828 has 22 MA's), (Start: 5 @68837 has 7 MA's), (6, 68885), (7, 68954), (8, 68957),

Gene: Brewer_117 Start: 66519, Stop: 66644, Start Num: 5
Candidate Starts for Brewer_117:
(2, 66507), (Start: 3 @66510 has 22 MA's), (Start: 5 @66519 has 7 MA's), (7, 66636), (8, 66639),

Gene: BugsBunny_123 Start: 68361, Stop: 68486, Start Num: 5
Candidate Starts for BugsBunny_123:
(2, 68349), (Start: 3 @68352 has 22 MA's), (Start: 5 @68361 has 7 MA's), (6, 68409), (7, 68478), (8, 68481),

Gene: Cactus_131 Start: 68151, Stop: 68285, Start Num: 3
Candidate Starts for Cactus_131:
(2, 68148), (Start: 3 @68151 has 22 MA's), (Start: 5 @68160 has 7 MA's), (6, 68208), (7, 68277), (8, 68280),

Gene: ChotaBhai_127 Start: 68550, Stop: 68684, Start Num: 3
Candidate Starts for ChotaBhai_127:
(2, 68547), (Start: 3 @68550 has 22 MA's), (Start: 5 @68559 has 7 MA's), (7, 68676), (8, 68679),

Gene: Cookies_125 Start: 68634, Stop: 68768, Start Num: 3
Candidate Starts for Cookies_125:
(2, 68631), (Start: 3 @68634 has 22 MA's), (Start: 5 @68643 has 7 MA's), (6, 68691), (7, 68760),

Gene: Elph10_122 Start: 67085, Stop: 67210, Start Num: 5
Candidate Starts for Elph10_122:
(2, 67073), (Start: 3 @67076 has 22 MA's), (Start: 5 @67085 has 7 MA's), (7, 67202), (8, 67205),

Gene: FairyPath_122 Start: 68517, Stop: 68642, Start Num: 5
Candidate Starts for FairyPath_122:
(2, 68505), (Start: 3 @68508 has 22 MA's), (Start: 5 @68517 has 7 MA's), (6, 68565), (7, 68634), (8, 68637),

Gene: Filch_126 Start: 67969, Stop: 68103, Start Num: 3
Candidate Starts for Filch_126:
(2, 67966), (Start: 3 @67969 has 22 MA's), (Start: 5 @67978 has 7 MA's), (7, 68095), (8, 68098),

Gene: FoghornLeghorn_122 Start: 66925, Stop: 67050, Start Num: 5
Candidate Starts for FoghornLeghorn_122:
(2, 66913), (Start: 3 @66916 has 22 MA's), (Start: 5 @66925 has 7 MA's), (7, 67042), (8, 67045),

Gene: Gemini_128 Start: 68114, Stop: 68248, Start Num: 3
Candidate Starts for Gemini_128:
(2, 68111), (Start: 3 @68114 has 22 MA's), (Start: 5 @68123 has 7 MA's), (7, 68240), (8, 68243),

Gene: Goku_123 Start: 68521, Stop: 68646, Start Num: 5
Candidate Starts for Goku_123:
(2, 68509), (Start: 3 @68512 has 22 MA's), (Start: 5 @68521 has 7 MA's), (6, 68569), (7, 68638), (8, 68641),

Gene: HanKaySha_123 Start: 67785, Stop: 67919, Start Num: 3
Candidate Starts for HanKaySha_123:
(2, 67782), (Start: 3 @67785 has 22 MA's), (Start: 5 @67794 has 7 MA's), (7, 67911), (8, 67914),

Gene: Hidrated_166 Start: 92372, Stop: 92488, Start Num: 4
Candidate Starts for Hidrated_166:
(1, 92318), (4, 92372), (Start: 5 @92375 has 7 MA's),

Gene: Holt_129 Start: 68591, Stop: 68725, Start Num: 3
Candidate Starts for Holt_129:
(2, 68588), (Start: 3 @68591 has 22 MA's), (Start: 5 @68600 has 7 MA's), (7, 68717), (8, 68720),

Gene: IHOP_126 Start: 68276, Stop: 68401, Start Num: 5
Candidate Starts for IHOP_126:
(2, 68264), (Start: 3 @68267 has 22 MA's), (Start: 5 @68276 has 7 MA's), (6, 68324), (7, 68393), (8, 68396),

Gene: Miniwave_117 Start: 67433, Stop: 67567, Start Num: 3
Candidate Starts for Miniwave_117:
(2, 67430), (Start: 3 @67433 has 22 MA's), (Start: 5 @67442 has 7 MA's), (7, 67559), (8, 67562),

Gene: Moldemort_125 Start: 67705, Stop: 67839, Start Num: 3
Candidate Starts for Moldemort_125:
(2, 67702), (Start: 3 @67705 has 22 MA's), (Start: 5 @67714 has 7 MA's), (7, 67831), (8, 67834),

Gene: Nala_125 Start: 68458, Stop: 68583, Start Num: 5
Candidate Starts for Nala_125:
(2, 68446), (Start: 3 @68449 has 22 MA's), (Start: 5 @68458 has 7 MA's), (6, 68506), (7, 68575), (8, 68578),

Gene: NoSleep_123 Start: 67266, Stop: 67391, Start Num: 5
Candidate Starts for NoSleep_123:
(2, 67254), (Start: 3 @67257 has 22 MA's), (Start: 5 @67266 has 7 MA's), (6, 67314), (7, 67383), (8, 67386),

Gene: Palpatine_124 Start: 68734, Stop: 68868, Start Num: 3
Candidate Starts for Palpatine_124:
(2, 68731), (Start: 3 @68734 has 22 MA's), (Start: 5 @68743 has 7 MA's), (7, 68860), (8, 68863),

Gene: Phaja_126 Start: 68281, Stop: 68406, Start Num: 5
Candidate Starts for Phaja_126:
(2, 68269), (Start: 3 @68272 has 22 MA's), (Start: 5 @68281 has 7 MA's), (6, 68329), (7, 68398), (8, 68401),

Gene: Policronamos_126 Start: 68743, Stop: 68877, Start Num: 3
Candidate Starts for Policronamos_126:

(2, 68740), (Start: 3 @68743 has 22 MA's), (Start: 5 @68752 has 7 MA's), (6, 68800), (7, 68869), (8, 68872),

Gene: Ptowny_118 Start: 66160, Stop: 66285, Start Num: 5
Candidate Starts for Ptowny_118:
(2, 66148), (Start: 3 @66151 has 22 MA's), (Start: 5 @66160 has 7 MA's), (6, 66208), (7, 66277), (8, 66280),

Gene: Rakim_125 Start: 67954, Stop: 68079, Start Num: 5
Candidate Starts for Rakim_125:
(2, 67942), (Start: 3 @67945 has 22 MA's), (Start: 5 @67954 has 7 MA's), (6, 68002), (7, 68071), (8, 68074),

Gene: Rimmer_121 Start: 67916, Stop: 68050, Start Num: 3
Candidate Starts for Rimmer_121:
(2, 67913), (Start: 3 @67916 has 22 MA's), (Start: 5 @67925 has 7 MA's), (6, 67973), (7, 68042), (8, 68045),

Gene: Stank_126 Start: 68390, Stop: 68524, Start Num: 3
Candidate Starts for Stank_126:
(2, 68387), (Start: 3 @68390 has 22 MA's), (Start: 5 @68399 has 7 MA's), (7, 68516), (8, 68519),

Gene: StolenFromERC_125 Start: 67735, Stop: 67869, Start Num: 3
Candidate Starts for StolenFromERC_125:
(2, 67732), (Start: 3 @67735 has 22 MA's), (Start: 5 @67744 has 7 MA's), (6, 67792), (7, 67861), (8, 67864),

Gene: Thresher_124 Start: 68676, Stop: 68810, Start Num: 3
Candidate Starts for Thresher_124:
(2, 68673), (Start: 3 @68676 has 22 MA's), (Start: 5 @68685 has 7 MA's), (7, 68802), (8, 68805),

Gene: Wiggin_126 Start: 67820, Stop: 67954, Start Num: 3
Candidate Starts for Wiggin_126:
(2, 67817), (Start: 3 @67820 has 22 MA's), (Start: 5 @67829 has 7 MA's), (7, 67946), (8, 67949),

Gene: Xandras_123 Start: 67643, Stop: 67777, Start Num: 3
Candidate Starts for Xandras_123:
(2, 67640), (Start: 3 @67643 has 22 MA's), (Start: 5 @67652 has 7 MA's), (7, 67769), (8, 67772),