Pham 3015


1
2
4
1: Nimrod_143 + 9
1
2
3
4
5
6
2: HufflyPuff_146 + 10
2
3
4
5
6
3: Harella_151 + 1
1
2
4
5
6
4: Nala_147
1
2
3
4
5
6
5: Amao_148
1
2
3
4
5
6
6: Pat3_145

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 3015 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3015 has 26 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nimrod_143, Manda_147, Elite2014_144, ChosenOne_145, Lilpickle_144, Phaux_145, Hopey_142, Goku_143, Maxxinista_146, Eureka_145
• Track 2 : HufflyPuff_146, Murphy_146, Emmina_146, Elph10_143, Phrux_141, Pumpkin_143, Lilac_140, MPhalcon_146, NoSleep_143, Porky_147, ChotaBhai_149
• Track 3 : Harella_151, Gator_146
• Track 4 : Nala_147
• Track 5 : Amao_148
• Track 6 : Pat3_145

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 21 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ChosenOne_145, ChotaBhai_149, Elite2014_144, Elph10_143, Emmina_146, Eureka_145, Goku_143, Hopey_142, HufflyPuff_146, Lilac_140, Lilpickle_144, MPhalcon_146, Manda_147, Maxxinista_146, Murphy_146, Nimrod_143, NoSleep_143, Phaux_145, Phrux_141, Porky_147, Pumpkin_143,

Genes that have the "Most Annotated" start but do not call it:
• Amao_148, Nala_147, Pat3_145,

Genes that do not have the "Most Annotated" start:
• Gator_146, Harella_151,

Summary by start number:

Start 1:
• Found in 24 of 26 (92.3%) of genes in pham
• Manual Annotations of this start: 21 of 25
• Called 87.5% of time when present
• Phage (with cluster) where this start called: ChosenOne_145 (E), ChotaBhai_149 (E), Elite2014_144 (E), Elph10_143 (E), Emmina_146 (E), Eureka_145 (E),

Goku_143 (E), Hopey_142 (E), HufflyPuff_146 (E), Lilac_140 (E), Lilpickle_144 (E), MPhalcon_146 (E), Manda_147 (E), Maxxinista_146 (E), Murphy_146 (E), Nimrod_143 (E), NoSleep_143 (E), Phaux_145 (E), Phrux_141 (E), Porky_147 (E), Pumpkin_143 (E),

Start 2:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 25
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Gator_146 (E), Harella_151 (E), Nala_147 (E), Pat3_145 (E),

Start 3:
• Found in 15 of 26 (57.7%) of genes in pham
• No Manual Annotations of this start.
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Amao_148 (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 21 times for cluster E.
•Start number 2 was manually annotated 4 times for cluster E.

Gene Information:

Gene: Amao_148 Start: 75806, Stop: 75636, Start Num: 3
Candidate Starts for Amao_148:
(Start: 1 @75854 has 21 MA's), (Start: 2 @75842 has 4 MA's), (3, 75806), (4, 75716), (5, 75713), (6, 75686),

Gene: ChosenOne_145 Start: 74070, Stop: 73858, Start Num: 1
Candidate Starts for ChosenOne_145:
(Start: 1 @74070 has 21 MA's), (Start: 2 @74058 has 4 MA's), (4, 73932),

Gene: ChotaBhai_149 Start: 75245, Stop: 75027, Start Num: 1
Candidate Starts for ChotaBhai_149:
(Start: 1 @75245 has 21 MA's), (Start: 2 @75233 has 4 MA's), (3, 75197), (4, 75107), (5, 75104), (6, 75077),

Gene: Elite2014_144 Start: 74069, Stop: 73857, Start Num: 1
Candidate Starts for Elite2014_144:
(Start: 1 @74069 has 21 MA's), (Start: 2 @74057 has 4 MA's), (4, 73931),

Gene: Elph10_143 Start: 73775, Stop: 73557, Start Num: 1
Candidate Starts for Elph10_143:
(Start: 1 @73775 has 21 MA's), (Start: 2 @73763 has 4 MA's), (3, 73727), (4, 73637), (5, 73634), (6, 73607),

Gene: Emmina_146 Start: 74395, Stop: 74177, Start Num: 1
Candidate Starts for Emmina_146:
(Start: 1 @74395 has 21 MA's), (Start: 2 @74383 has 4 MA's), (3, 74347), (4, 74257), (5, 74254), (6, 74227),

Gene: Eureka_145 Start: 75274, Stop: 75062, Start Num: 1
Candidate Starts for Eureka_145:
(Start: 1 @75274 has 21 MA's), (Start: 2 @75262 has 4 MA's), (4, 75136),

Gene: Gator_146 Start: 75481, Stop: 75275, Start Num: 2
Candidate Starts for Gator_146:
(Start: 2 @75481 has 4 MA's), (3, 75445), (4, 75355), (5, 75352), (6, 75325),

Gene: Goku_143 Start: 75583, Stop: 75371, Start Num: 1
Candidate Starts for Goku_143:
(Start: 1 @75583 has 21 MA's), (Start: 2 @75571 has 4 MA's), (4, 75445),

Gene: Harella_151 Start: 75989, Stop: 75783, Start Num: 2
Candidate Starts for Harella_151:
(Start: 2 @75989 has 4 MA's), (3, 75953), (4, 75863), (5, 75860), (6, 75833),

Gene: Hopey_142 Start: 74685, Stop: 74473, Start Num: 1
Candidate Starts for Hopey_142:
(Start: 1 @74685 has 21 MA's), (Start: 2 @74673 has 4 MA's), (4, 74547),

Gene: HufflyPuff_146 Start: 75423, Stop: 75205, Start Num: 1
Candidate Starts for HufflyPuff_146:
(Start: 1 @75423 has 21 MA's), (Start: 2 @75411 has 4 MA's), (3, 75375), (4, 75285), (5, 75282), (6, 75255),

Gene: Lilac_140 Start: 75360, Stop: 75142, Start Num: 1
Candidate Starts for Lilac_140:
(Start: 1 @75360 has 21 MA's), (Start: 2 @75348 has 4 MA's), (3, 75312), (4, 75222), (5, 75219), (6, 75192),

Gene: Lilpickle_144 Start: 74069, Stop: 73857, Start Num: 1
Candidate Starts for Lilpickle_144:
(Start: 1 @74069 has 21 MA's), (Start: 2 @74057 has 4 MA's), (4, 73931),

Gene: MPhalcon_146 Start: 74705, Stop: 74487, Start Num: 1
Candidate Starts for MPhalcon_146:
(Start: 1 @74705 has 21 MA's), (Start: 2 @74693 has 4 MA's), (3, 74657), (4, 74567), (5, 74564), (6, 74537),

Gene: Manda_147 Start: 75123, Stop: 74911, Start Num: 1
Candidate Starts for Manda_147:
(Start: 1 @75123 has 21 MA's), (Start: 2 @75111 has 4 MA's), (4, 74985),

Gene: Maxxinista_146 Start: 74313, Stop: 74101, Start Num: 1
Candidate Starts for Maxxinista_146:
(Start: 1 @74313 has 21 MA's), (Start: 2 @74301 has 4 MA's), (4, 74175),

Gene: Murphy_146 Start: 75279, Stop: 75061, Start Num: 1

Candidate Starts for Murphy_146:
(Start: 1 @75279 has 21 MA's), (Start: 2 @75267 has 4 MA's), (3, 75231), (4, 75141), (5, 75138), (6, 75111),

Gene: Nala_147 Start: 74982, Stop: 74776, Start Num: 2
Candidate Starts for Nala_147:
(Start: 1 @74994 has 21 MA's), (Start: 2 @74982 has 4 MA's), (4, 74856), (5, 74853), (6, 74826),

Gene: Nimrod_143 Start: 75535, Stop: 75323, Start Num: 1
Candidate Starts for Nimrod_143:
(Start: 1 @75535 has 21 MA's), (Start: 2 @75523 has 4 MA's), (4, 75397),

Gene: NoSleep_143 Start: 73755, Stop: 73537, Start Num: 1
Candidate Starts for NoSleep_143:
(Start: 1 @73755 has 21 MA's), (Start: 2 @73743 has 4 MA's), (3, 73707), (4, 73617), (5, 73614), (6, 73587),

Gene: Pat3_145 Start: 74805, Stop: 74599, Start Num: 2
Candidate Starts for Pat3_145:
(Start: 1 @74817 has 21 MA's), (Start: 2 @74805 has 4 MA's), (3, 74769), (4, 74679), (5, 74676), (6, 74649),

Gene: Phaux_145 Start: 75579, Stop: 75367, Start Num: 1
Candidate Starts for Phaux_145:
(Start: 1 @75579 has 21 MA's), (Start: 2 @75567 has 4 MA's), (4, 75441),

Gene: Phrux_141 Start: 73811, Stop: 73593, Start Num: 1
Candidate Starts for Phrux_141:
(Start: 1 @73811 has 21 MA's), (Start: 2 @73799 has 4 MA's), (3, 73763), (4, 73673), (5, 73670), (6, 73643),

Gene: Porky_147 Start: 75412, Stop: 75194, Start Num: 1
Candidate Starts for Porky_147:
(Start: 1 @75412 has 21 MA's), (Start: 2 @75400 has 4 MA's), (3, 75364), (4, 75274), (5, 75271), (6, 75244),

Gene: Pumpkin_143 Start: 73591, Stop: 73373, Start Num: 1
Candidate Starts for Pumpkin_143:
(Start: 1 @73591 has 21 MA's), (Start: 2 @73579 has 4 MA's), (3, 73543), (4, 73453), (5, 73450), (6, 73423),