Pham 4167


6
14
15
16
1: Faust_138 + 1
2
3
5
15
2: Beuffert_136
4
13
15
3: Karp_139 + 4
2
3
5
8
15
4: MeganTheekilla_144 + 4
6
9
11
5: Blueeyedbeauty_137
1
6
9
10
11
12
6: Francob_145
7
11
7: Moab_142 + 1
6
9
10
11
8: Annadreamy_130 + 1
2
3
5
13
15
9: Phredrick_146 + 1
6
15
10: TunaTartare_142

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 4167 Report

This analysis was run 03/30/24 on database version 556.

Pham number 4167 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Faust_138, SeresaTree_139
• Track 2 : Beuffert_136
• Track 3 : Karp_139, SparkleGoddess_142, Stigma_140, Belfort_143, Comrade_139
• Track 4 : MeganTheeKilla_144, Jada_145, Gilson_147, Forrest_149, Emma1919_147
• Track 5 : Blueeyedbeauty_137
• Track 6 : Francob_145
• Track 7 : Moab_142, Patelgo_145
• Track 8 : Annadreamy_130, Limpid_137
• Track 9 : Phredrick_146, Kenrey_149
• Track 10 : TunaTartare_142

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beuffert_136, Emma1919_147, Forrest_149, Gilson_147, Jada_145, Kenrey_149, MeganTheeKilla_144, Phredrick_146,

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

Genes that do not have the "Most Annotated" start:
• Annadreamy_130, Belfort_143, Blueeyedbeauty_137, Comrade_139, Faust_138, Francob_145, Karp_139, Limpid_137, Moab_142, Patelgo_145, SeresaTree_139, SparkleGoddess_142, Stigma_140, TunaTartare_142,

Summary by start number:

Start 4:
• Found in 5 of 22 (22.7%) of genes in pham
• Manual Annotations of this start: 5 of 21

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_143 (BK1), Comrade_139 (BK1), Karp_139 (BK1), SparkleGoddess_142 (BK1), Stigma_140 (BK1),

Start 5:
• Found in 8 of 22 (36.4%) of genes in pham
• Manual Annotations of this start: 8 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beuffert_136 (BK1), Emma1919_147 (BK1), Forrest_149 (BK1), Gilson_147 (BK1), Jada_145 (BK1), Kenrey_149 (BK1), MeganTheeKilla_144 (BK1), Phredrick_146 (BK1),

Start 6:
• Found in 7 of 22 (31.8%) of genes in pham
• Manual Annotations of this start: 6 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_130 (BK1), Blueeyedbeauty_137 (BK1), Faust_138 (BK1), Francob_145 (BK1), Limpid_137 (BK1), SeresaTree_139 (BK1), TunaTartare_142 (BK1),

Start 7:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_142 (BK1), Patelgo_145 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 4 was manually annotated 5 times for cluster BK1.
•Start number 5 was manually annotated 8 times for cluster BK1.
•Start number 6 was manually annotated 6 times for cluster BK1.
•Start number 7 was manually annotated 2 times for cluster BK1.

Gene Information:

Gene: Annadreamy_130 Start: 75336, Stop: 75506, Start Num: 6
Candidate Starts for Annadreamy_130:
(Start: 6 @75336 has 6 MA's), (9, 75393), (10, 75411), (11, 75417),

Gene: Belfort_143 Start: 82444, Stop: 82614, Start Num: 4
Candidate Starts for Belfort_143:
(Start: 4 @82444 has 5 MA's), (13, 82543), (15, 82576),

Gene: Beuffert_136 Start: 79834, Stop: 80004, Start Num: 5
Candidate Starts for Beuffert_136:
(2, 79816), (3, 79825), (Start: 5 @79834 has 8 MA's), (15, 79966),

Gene: Blueeyedbeauty_137 Start: 79090, Stop: 79260, Start Num: 6

Candidate Starts for Blueeyedbeauty_137:
(Start: 6 @79090 has 6 MA's), (9, 79147), (11, 79171),

Gene: Comrade_139 Start: 81763, Stop: 81933, Start Num: 4
Candidate Starts for Comrade_139:
(Start: 4 @81763 has 5 MA's), (13, 81862), (15, 81895),

Gene: Emma1919_147 Start: 81701, Stop: 81868, Start Num: 5
Candidate Starts for Emma1919_147:
(2, 81683), (3, 81692), (Start: 5 @81701 has 8 MA's), (8, 81749), (15, 81830),

Gene: Faust_138 Start: 81938, Stop: 82117, Start Num: 6
Candidate Starts for Faust_138:
(Start: 6 @81938 has 6 MA's), (14, 82055), (15, 82079), (16, 82091),

Gene: Forrest_149 Start: 82573, Stop: 82740, Start Num: 5
Candidate Starts for Forrest_149:
(2, 82555), (3, 82564), (Start: 5 @82573 has 8 MA's), (8, 82621), (15, 82702),

Gene: Francob_145 Start: 82211, Stop: 82381, Start Num: 6
Candidate Starts for Francob_145:
(1, 82172), (Start: 6 @82211 has 6 MA's), (9, 82268), (10, 82286), (11, 82292), (12, 82295),

Gene: Gilson_147 Start: 81663, Stop: 81830, Start Num: 5
Candidate Starts for Gilson_147:
(2, 81645), (3, 81654), (Start: 5 @81663 has 8 MA's), (8, 81711), (15, 81792),

Gene: Jada_145 Start: 81503, Stop: 81670, Start Num: 5
Candidate Starts for Jada_145:
(2, 81485), (3, 81494), (Start: 5 @81503 has 8 MA's), (8, 81551), (15, 81632),

Gene: Karp_139 Start: 81871, Stop: 82041, Start Num: 4
Candidate Starts for Karp_139:
(Start: 4 @81871 has 5 MA's), (13, 81970), (15, 82003),

Gene: Kenrey_149 Start: 82824, Stop: 82991, Start Num: 5
Candidate Starts for Kenrey_149:
(2, 82806), (3, 82815), (Start: 5 @82824 has 8 MA's), (13, 82920), (15, 82953),

Gene: Limpid_137 Start: 80644, Stop: 80814, Start Num: 6
Candidate Starts for Limpid_137:
(Start: 6 @80644 has 6 MA's), (9, 80701), (10, 80719), (11, 80725),

Gene: MeganTheeKilla_144 Start: 81379, Stop: 81546, Start Num: 5
Candidate Starts for MeganTheeKilla_144:
(2, 81361), (3, 81370), (Start: 5 @81379 has 8 MA's), (8, 81427), (15, 81508),

Gene: Moab_142 Start: 83444, Stop: 83611, Start Num: 7
Candidate Starts for Moab_142:
(Start: 7 @83444 has 2 MA's), (11, 83522),

Gene: Patelgo_145 Start: 84136, Stop: 84303, Start Num: 7
Candidate Starts for Patelgo_145:

(Start: 7 @84136 has 2 MA's), (11, 84214),

Gene: Phredrick_146 Start: 81159, Stop: 81326, Start Num: 5
Candidate Starts for Phredrick_146:
(2, 81141), (3, 81150), (Start: 5 @81159 has 8 MA's), (13, 81255), (15, 81288),

Gene: SeresaTree_139 Start: 81320, Stop: 81499, Start Num: 6
Candidate Starts for SeresaTree_139:
(Start: 6 @81320 has 6 MA's), (14, 81437), (15, 81461), (16, 81473),

Gene: SparkleGoddess_142 Start: 82063, Stop: 82233, Start Num: 4
Candidate Starts for SparkleGoddess_142:
(Start: 4 @82063 has 5 MA's), (13, 82162), (15, 82195),

Gene: Stigma_140 Start: 82208, Stop: 82378, Start Num: 4
Candidate Starts for Stigma_140:
(Start: 4 @82208 has 5 MA's), (13, 82307), (15, 82340),

Gene: TunaTartare_142 Start: 83951, Stop: 84121, Start Num: 6
Candidate Starts for TunaTartare_142:
(Start: 6 @83951 has 6 MA's), (15, 84083),