Pham 171772

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 171772 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171772 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Inked_57
• Track 2 : Tokki_58
• Track 3 : Giantsbane_55
• Track 4 : Ingrid_56
• Track 5 : Kenrey_152, Phredrick_149
• Track 6 : Emma1919_150
• Track 7 : Francob_148
• Track 8 : Moab_144, Patelgo_146
• Track 9 : Karp_140, Belfort_145
• Track 10 : TunaTartare_145
• Track 11 : MeganTheeKilla_146
• Track 12 : Jada_148
• Track 13 : Poco6_092
• Track 14 : NiceHouse_269
• Track 15 : PauloDiaboli_196, A3Wally_197
• Track 16 : Rando14_37
• Track 17 : Finch_58

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

The start number called the most often in the published annotations is 12, it was called in 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_145, Emma1919_150, Francob_148, Jada_148, Karp_140, Kenrey_152, MeganTheeKilla_146, Moab_144, Patelgo_146, Phredrick_149, Rando14_37, TunaTartare_145,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• A3Wally_197, Finch_58, Giantsbane_55, Ingrid_56, Inked_57, NiceHouse_269, PauloDiaboli_196, Poco6_092, Tokki_58,

Summary by start number:

Start 9:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ingrid_56 (AU3), Inked_57 (AU), NiceHouse_269 (CE), Poco6_092 (CC),

Start 11:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Giantsbane_55 (AU2), Tokki_58 (AU2),

Start 12:
• Found in 12 of 21 (57.1%) of genes in pham
• Manual Annotations of this start: 12 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_145 (BK1), Emma1919_150 (BK1), Francob_148 (BK1), Jada_148 (BK1), Karp_140 (BK1), Kenrey_152 (BK1), MeganTheeKilla_146 (BK1), Moab_144 (BK1), Patelgo_146 (BK1), Phredrick_149 (BK1), Rando14_37 (K5), TunaTartare_145 (BK1),

Start 14:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_58 (singleton),

Start 16:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_197 (GD1), PauloDiaboli_196 (GD1),

Summary by clusters:

There are 9 clusters represented in this pham: GD1, singleton, CC, CE, AU3, AU2, AU, BK1, K5,

Info for manual annotations of cluster AU:
•Start number 9 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU2:
•Start number 11 was manually annotated 2 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 9 was manually annotated 1 time for cluster AU3.

Info for manual annotations of cluster BK1:

•Start number 12 was manually annotated 11 times for cluster BK1.

Info for manual annotations of cluster CE:
•Start number 9 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster GD1:
•Start number 16 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster K5:
•Start number 12 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: A3Wally_197 Start: 109106, Stop: 109285, Start Num: 16
Candidate Starts for A3Wally_197:
(15, 109103), (Start: 16 @109106 has 2 MA's), (18, 109142), (22, 109178), (27, 109232),

Gene: Belfort_145 Start: 82737, Stop: 82892, Start Num: 12
Candidate Starts for Belfort_145:
(Start: 12 @82737 has 12 MA's), (17, 82788), (24, 82851),

Gene: Emma1919_150 Start: 82354, Stop: 82509, Start Num: 12
Candidate Starts for Emma1919_150:
(2, 82285), (3, 82309), (4, 82324), (Start: 12 @82354 has 12 MA's), (17, 82405), (24, 82468),

Gene: Finch_58 Start: 47919, Stop: 48083, Start Num: 14
Candidate Starts for Finch_58:
(Start: 14 @47919 has 1 MA's),

Gene: Francob_148 Start: 82862, Stop: 83017, Start Num: 12
Candidate Starts for Francob_148:
(2, 82793), (3, 82817), (4, 82832), (8, 82856), (10, 82859), (Start: 12 @82862 has 12 MA's), (17, 82913), (24, 82976),

Gene: Giantsbane_55 Start: 36034, Stop: 36225, Start Num: 11
Candidate Starts for Giantsbane_55:
(Start: 11 @36034 has 2 MA's), (25, 36172),

Gene: Ingrid_56 Start: 36844, Stop: 37038, Start Num: 9
Candidate Starts for Ingrid_56:
(Start: 9 @36844 has 3 MA's), (13, 36856), (25, 36985), (27, 36997),

Gene: Inked_57 Start: 37966, Stop: 38160, Start Num: 9
Candidate Starts for Inked_57:
(Start: 9 @37966 has 3 MA's), (13, 37978), (25, 38107),

Gene: Jada_148 Start: 82145, Stop: 82300, Start Num: 12
Candidate Starts for Jada_148:
(Start: 12 @82145 has 12 MA's), (17, 82196), (24, 82259),

Gene: Karp_140 Start: 82164, Stop: 82319, Start Num: 12
Candidate Starts for Karp_140:
(Start: 12 @82164 has 12 MA's), (17, 82215), (24, 82278),

Gene: Kenrey_152 Start: 83476, Stop: 83631, Start Num: 12
Candidate Starts for Kenrey_152:
(3, 83431), (4, 83446), (Start: 12 @83476 has 12 MA's), (17, 83527), (24, 83590),

Gene: MeganTheeKilla_146 Start: 81670, Stop: 81822, Start Num: 12
Candidate Starts for MeganTheeKilla_146:
(Start: 12 @81670 has 12 MA's), (17, 81721), (22, 81757), (24, 81781),

Gene: Moab_144 Start: 83836, Stop: 83991, Start Num: 12
Candidate Starts for Moab_144:
(Start: 12 @83836 has 12 MA's), (17, 83887), (24, 83950),

Gene: NiceHouse_269 Start: 134061, Stop: 134252, Start Num: 9
Candidate Starts for NiceHouse_269:
(5, 134034), (6, 134049), (Start: 9 @134061 has 3 MA's), (20, 134133), (21, 134145),

Gene: Patelgo_146 Start: 84528, Stop: 84683, Start Num: 12
Candidate Starts for Patelgo_146:
(Start: 12 @84528 has 12 MA's), (17, 84579), (24, 84642),

Gene: PauloDiaboli_196 Start: 107152, Stop: 107331, Start Num: 16
Candidate Starts for PauloDiaboli_196:
(15, 107149), (Start: 16 @107152 has 2 MA's), (18, 107188), (22, 107224), (27, 107278),

Gene: Phredrick_149 Start: 81811, Stop: 81966, Start Num: 12
Candidate Starts for Phredrick_149:
(3, 81766), (4, 81781), (Start: 12 @81811 has 12 MA's), (17, 81862), (24, 81925),

Gene: Poco6_092 Start: 48067, Stop: 48252, Start Num: 9
Candidate Starts for Poco6_092:
(Start: 9 @48067 has 3 MA's), (19, 48130), (22, 48163),

Gene: Rando14_37 Start: 29193, Stop: 29357, Start Num: 12
Candidate Starts for Rando14_37:
(1, 29094), (Start: 12 @29193 has 12 MA's), (23, 29298), (27, 29334),

Gene: Tokki_58 Start: 37146, Stop: 37340, Start Num: 11
Candidate Starts for Tokki_58:
(Start: 11 @37146 has 2 MA's),

Gene: TunaTartare_145 Start: 84538, Stop: 84702, Start Num: 12
Candidate Starts for TunaTartare_145:
(3, 84490), (4, 84505), (7, 84529), (8, 84532), (10, 84535), (Start: 12 @84538 has 12 MA's), (24, 84658), (26, 84685),