Pham 2701

2
3
5
1: Cursive_149 + 12
2
3
4
2: Jay2Jay_156 + 2
2
3
3: Samish12_152 + 3
2
4
4: Warpy_155
2
4
5
5: Anedea_151
2
5
6: Amabiko_160 + 26
1
3
5
7: Kammac_158

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 2701 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2701 has 50 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Cursive_149, BlueOtter_153, Leo04_152, Teutsch_150, PacManQ_152, HangryHippo_153, Pepperwood_150, Tribute_150, Cross_151, Lululemon_152, NootNoot_147, EGole_153, Watermoore_150
• Track 2 : Jay2Jay_156, Targaryen_152, Evy_147
• Track 3 : Samisti12_152, Peebs_148, Larnav_158, Sushi23_150
• Track 4 : Warpy_155
• Track 5 : Anedea_151
• Track 6 : Amabiko_160, PumpkinSpice_162, Starbow_157, Bordeaux_159, JimJam_165, CeilingFan_168, Battuta_159, Gibbi_167, Quaran19_160, Spelly_162, Persimmon_151, Jollison_165, SaltySpitoon_160, Liandry_150, PinkiePie_147, Navo_153, IchabodCrane_155, Bartholomune_150, Squillium_150, Wipeout_153, Spilled_164, Paradiddles_146, Braelyn_152, MindFlayer_155, TomSawyer_162, WhereRU_154, KentuckyRacer_168
• Track 7 : Karimac_158

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 37 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_160, Anedea_151, Bartholomune_150, Battuta_159, BlueOtter_153, Bordeaux_159, Braelyn_152, CeilingFan_168, Cross_151, Cursive_149, EGole_153, Evy_147, Gibbi_167, HangryHippo_153, IchabodCrane_155, Jay2Jay_156, JimJam_165, Jollison_165, KentuckyRacer_168, Larnav_158, Leo04_152, Liandry_150, Lululemon_152, MindFlayer_155, Navo_153, NootNoot_147, PacManQ_152, Paradiddles_146, Peebs_148, Pepperwood_150, Persimmon_151, PinkiePie_147, PumpkinSpice_162, Quaran19_160, SaltySpitoon_160, Samisti12_152, Spelly_162, Spilled_164, Squillium_150, Starbow_157, Sushi23_150, Targaryen_152, Teutsch_150, TomSawyer_162, Tribute_150, Warpy_155, Watermoore_150, WhereRU_154, Wipeout_153,

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

Genes that do not have the "Most Annotated" start:
• Karimac_158,

Summary by start number:

Start 1:
• Found in 1 of 50 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Karimac_158 (BE2),

Start 2:
• Found in 49 of 50 (98.0%) of genes in pham
• Manual Annotations of this start: 37 of 38
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_160 (BE2), Anedea_151 (BE1), Bartholomune_150 (BE1), Battuta_159 (BE2), BlueOtter_153 (BE1), Bordeaux_159 (BE2), Braelyn_152 (BE1), CeilingFan_168 (BE2), Cross_151 (BE1), Cursive_149 (BE1), EGole_153 (BE1), Evy_147 (BE1), Gibbi_167 (BE2), HangryHippo_153 (BE1), IchabodCrane_155 (BE2), Jay2Jay_156 (BE1), JimJam_165 (BE2), Jollison_165 (BE2), KentuckyRacer_168 (BE2), Larnav_158 (BE1), Leo04_152 (BE1), Liandry_150 (BE1), Lululemon_152 (BE1), MindFlayer_155 (BE2), Navo_153 (BE1), NootNoot_147 (BE1), PacManQ_152 (BE1), Paradiddles_146 (BE1), Peebs_148 (BE1), Pepperwood_150 (BE1), Persimmon_151 (BE1), PinkiePie_147 (BE1), PumpkinSpice_162 (BE2), Quaran19_160 (BE2), SaltySpitoon_160 (BE2), Samisti12_152 (BE1), Spelly_162 (BE2), Spilled_164 (BE2), Squillium_150 (BE1), Starbow_157 (BE2), Sushi23_150 (BE1), Targaryen_152 (BE1), Teutsch_150 (BE1), TomSawyer_162 (BE2), Tribute_150 (BE1), Warpy_155 (BE1), Watermoore_150 (BE1), WhereRU_154 (BE1), Wipeout_153 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 23 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 1 was manually annotated 1 time for cluster BE2.
•Start number 2 was manually annotated 14 times for cluster BE2.

Gene Information:

Gene: Amabiko_160 Start: 88882, Stop: 89103, Start Num: 2
Candidate Starts for Amabiko_160:
(Start: 2 @88882 has 37 MA's), (5, 89092),

Gene: Anedea_151 Start: 88212, Stop: 88433, Start Num: 2
Candidate Starts for Anedea_151:
(Start: 2 @88212 has 37 MA's), (4, 88269), (5, 88422),

Gene: Bartholomune_150 Start: 87832, Stop: 88053, Start Num: 2
Candidate Starts for Bartholomune_150:
(Start: 2 @87832 has 37 MA's), (5, 88042),

Gene: Battuta_159 Start: 88855, Stop: 89076, Start Num: 2
Candidate Starts for Battuta_159:
(Start: 2 @88855 has 37 MA's), (5, 89065),

Gene: BlueOtter_153 Start: 89902, Stop: 90120, Start Num: 2
Candidate Starts for BlueOtter_153:
(Start: 2 @89902 has 37 MA's), (3, 89953), (5, 90112),

Gene: Bordeaux_159 Start: 89362, Stop: 89583, Start Num: 2
Candidate Starts for Bordeaux_159:
(Start: 2 @89362 has 37 MA's), (5, 89572),

Gene: Braelyn_152 Start: 88965, Stop: 89186, Start Num: 2
Candidate Starts for Braelyn_152:
(Start: 2 @88965 has 37 MA's), (5, 89175),

Gene: CeilingFan_168 Start: 89388, Stop: 89609, Start Num: 2
Candidate Starts for CeilingFan_168:
(Start: 2 @89388 has 37 MA's), (5, 89598),

Gene: Cross_151 Start: 89903, Stop: 90121, Start Num: 2
Candidate Starts for Cross_151:
(Start: 2 @89903 has 37 MA's), (3, 89954), (5, 90113),

Gene: Cursive_149 Start: 88112, Stop: 88330, Start Num: 2
Candidate Starts for Cursive_149:
(Start: 2 @88112 has 37 MA's), (3, 88163), (5, 88322),

Gene: EGole_153 Start: 91175, Stop: 91393, Start Num: 2
Candidate Starts for EGole_153:
(Start: 2 @91175 has 37 MA's), (3, 91226), (5, 91385),

Gene: Evy_147 Start: 89900, Stop: 90121, Start Num: 2
Candidate Starts for Evy_147:
(Start: 2 @89900 has 37 MA's), (3, 89951), (4, 89957),

Gene: Gibbi_167 Start: 89452, Stop: 89673, Start Num: 2
Candidate Starts for Gibbi_167:
(Start: 2 @89452 has 37 MA's), (5, 89662),

Gene: HangryHippo_153 Start: 89902, Stop: 90120, Start Num: 2
Candidate Starts for HangryHippo_153:
(Start: 2 @89902 has 37 MA's), (3, 89953), (5, 90112),

Gene: IchabodCrane_155 Start: 88583, Stop: 88804, Start Num: 2
Candidate Starts for IchabodCrane_155:
(Start: 2 @88583 has 37 MA's), (5, 88793),

Gene: Jay2Jay_156 Start: 90789, Stop: 91010, Start Num: 2
Candidate Starts for Jay2Jay_156:
(Start: 2 @90789 has 37 MA's), (3, 90840), (4, 90846),

Gene: JimJam_165 Start: 90218, Stop: 90439, Start Num: 2
Candidate Starts for JimJam_165:
(Start: 2 @90218 has 37 MA's), (5, 90428),

Gene: Jollison_165 Start: 89296, Stop: 89517, Start Num: 2
Candidate Starts for Jollison_165:
(Start: 2 @89296 has 37 MA's), (5, 89506),

Gene: Karimac_158 Start: 89117, Stop: 89341, Start Num: 1
Candidate Starts for Karimac_158:
(Start: 1 @89117 has 1 MA's), (3, 89171), (5, 89330),

Gene: KentuckyRacer_168 Start: 90233, Stop: 90454, Start Num: 2
Candidate Starts for KentuckyRacer_168:
(Start: 2 @90233 has 37 MA's), (5, 90443),

Gene: Larnav_158 Start: 89877, Stop: 90095, Start Num: 2
Candidate Starts for Larnav_158:
(Start: 2 @89877 has 37 MA's), (3, 89928),

Gene: Leo04_152 Start: 90402, Stop: 90620, Start Num: 2
Candidate Starts for Leo04_152:
(Start: 2 @90402 has 37 MA's), (3, 90453), (5, 90612),

Gene: Liandry_150 Start: 88575, Stop: 88796, Start Num: 2
Candidate Starts for Liandry_150:
(Start: 2 @88575 has 37 MA's), (5, 88785),

Gene: Lululemon_152 Start: 89283, Stop: 89501, Start Num: 2
Candidate Starts for Lululemon_152:
(Start: 2 @89283 has 37 MA's), (3, 89334), (5, 89493),

Gene: MindFlayer_155 Start: 88490, Stop: 88711, Start Num: 2
Candidate Starts for MindFlayer_155:
(Start: 2 @88490 has 37 MA's), (5, 88700),

Gene: Navo_153 Start: 88474, Stop: 88695, Start Num: 2
Candidate Starts for Navo_153:
(Start: 2 @88474 has 37 MA's), (5, 88684),

Gene: NootNoot_147 Start: 87474, Stop: 87695, Start Num: 2
Candidate Starts for NootNoot_147:
(Start: 2 @87474 has 37 MA's), (3, 87525), (5, 87684),

Gene: PacManQ_152 Start: 89283, Stop: 89501, Start Num: 2
Candidate Starts for PacManQ_152:
(Start: 2 @89283 has 37 MA's), (3, 89334), (5, 89493),

Gene: Paradiddles_146 Start: 89772, Stop: 89993, Start Num: 2

Candidate Starts for Paradiddles_146:
(Start: 2 @89772 has 37 MA's), (5, 89982),

Gene: Peebs_148 Start: 89581, Stop: 89799, Start Num: 2
Candidate Starts for Peebs_148:
(Start: 2 @89581 has 37 MA's), (3, 89632),

Gene: Pepperwood_150 Start: 89722, Stop: 89940, Start Num: 2
Candidate Starts for Pepperwood_150:
(Start: 2 @89722 has 37 MA's), (3, 89773), (5, 89932),

Gene: Persimmon_151 Start: 87865, Stop: 88086, Start Num: 2
Candidate Starts for Persimmon_151:
(Start: 2 @87865 has 37 MA's), (5, 88075),

Gene: PinkiePie_147 Start: 88575, Stop: 88796, Start Num: 2
Candidate Starts for PinkiePie_147:
(Start: 2 @88575 has 37 MA's), (5, 88785),

Gene: PumpkinSpice_162 Start: 89902, Stop: 90123, Start Num: 2
Candidate Starts for PumpkinSpice_162:
(Start: 2 @89902 has 37 MA's), (5, 90112),

Gene: Quaran19_160 Start: 88872, Stop: 89093, Start Num: 2
Candidate Starts for Quaran19_160:
(Start: 2 @88872 has 37 MA's), (5, 89082),

Gene: SaltySpitoon_160 Start: 88885, Stop: 89106, Start Num: 2
Candidate Starts for SaltySpitoon_160:
(Start: 2 @88885 has 37 MA's), (5, 89095),

Gene: Samisti12_152 Start: 90965, Stop: 91183, Start Num: 2
Candidate Starts for Samisti12_152:
(Start: 2 @90965 has 37 MA's), (3, 91016),

Gene: Spelly_162 Start: 88835, Stop: 89056, Start Num: 2
Candidate Starts for Spelly_162:
(Start: 2 @88835 has 37 MA's), (5, 89045),

Gene: Spilled_164 Start: 89413, Stop: 89634, Start Num: 2
Candidate Starts for Spilled_164:
(Start: 2 @89413 has 37 MA's), (5, 89623),

Gene: Squillium_150 Start: 88577, Stop: 88798, Start Num: 2
Candidate Starts for Squillium_150:
(Start: 2 @88577 has 37 MA's), (5, 88787),

Gene: Starbow_157 Start: 88858, Stop: 89079, Start Num: 2
Candidate Starts for Starbow_157:
(Start: 2 @88858 has 37 MA's), (5, 89068),

Gene: Sushi23_150 Start: 89938, Stop: 90156, Start Num: 2
Candidate Starts for Sushi23_150:

(Start: 2 @89938 has 37 MA's), (3, 89989),

Gene: Targaryen_152 Start: 91035, Stop: 91256, Start Num: 2
Candidate Starts for Targaryen_152:
(Start: 2 @91035 has 37 MA's), (3, 91086), (4, 91092),

Gene: Teutsch_150 Start: 90261, Stop: 90479, Start Num: 2
Candidate Starts for Teutsch_150:
(Start: 2 @90261 has 37 MA's), (3, 90312), (5, 90471),

Gene: TomSawyer_162 Start: 89876, Stop: 90097, Start Num: 2
Candidate Starts for TomSawyer_162:
(Start: 2 @89876 has 37 MA's), (5, 90086),

Gene: Tribute_150 Start: 90108, Stop: 90326, Start Num: 2
Candidate Starts for Tribute_150:
(Start: 2 @90108 has 37 MA's), (3, 90159), (5, 90318),

Gene: Warpy_155 Start: 90448, Stop: 90669, Start Num: 2
Candidate Starts for Warpy_155:
(Start: 2 @90448 has 37 MA's), (4, 90505),

Gene: Watermoore_150 Start: 90474, Stop: 90692, Start Num: 2
Candidate Starts for Watermoore_150:
(Start: 2 @90474 has 37 MA's), (3, 90525), (5, 90684),

Gene: WhereRU_154 Start: 88617, Stop: 88838, Start Num: 2
Candidate Starts for WhereRU_154:
(Start: 2 @88617 has 37 MA's), (5, 88827),

Gene: Wipeout_153 Start: 89685, Stop: 89906, Start Num: 2
Candidate Starts for Wipeout_153:
(Start: 2 @89685 has 37 MA's), (5, 89895),