Pham 284253

2
9
10
12
13
1: XianYue_92
1
3
9
10
12
2: BabyRay_92
4
7
8
9
11
14
3: AgentM_85 + 8
5
6
9
11
4: Dublin_86
4
7
8
9
11
5: Discoknowium_83 + 1
4
7
9
11
6: Bluefalcon_81
6
9
11
7: Zolita_84
5
6
9
11
8: MarysWell_87

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 284253 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284253 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : XianYue_92
• Track 2 : BabyRay_92
• Track 3 : AgentM_85, Jovo_84, Phlorence_84, Conspiracy_86, Aragog_86, Tiger_84, ForGetIt_87, PickleBack_87, Lev2_86
• Track 4 : Dublin_86
• Track 5 : Discoknowium_83, Archetta_75
• Track 6 : Bluefalcon_81
• Track 7 : Zolita_84
• Track 8 : MarysWell_87

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

The start number called the most often in the published annotations is 4, it was called in 12 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AgentM_85, Aragog_86, Archetta_75, Bluefalcon_81, Conspiracy_86, Discoknowium_83, ForGetIt_87, Jovo_84, Lev2_86, Phlorence_84, PickleBack_87, Tiger_84,

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

Genes that do not have the "Most Annotated" start:
• BabyRay_92, Dublin_86, MarysWell_87, XianYue_92, Zolita_84,

Summary by start number:

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: XianYue_92 (A2),

Start 3:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyRay_92 (A3),

Start 4:
• Found in 12 of 17 (70.6%) of genes in pham
• Manual Annotations of this start: 12 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_85 (A5), Aragog_86 (A5), Archetta_75 (A5), Bluefalcon_81 (A5), Conspiracy_86 (A5), Discoknowium_83 (A5), ForGetIt_87 (A5), Jovo_84 (A5), Lev2_86 (A5), Phlorence_84 (A5), PickleBack_87 (A5), Tiger_84 (A5),

Start 5:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dublin_86 (A5),

Start 6:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 66.7% of time when present
• Phage (with cluster) where this start called: MarysWell_87 (A5), Zolita_84 (A5),

Summary by clusters:

There are 3 clusters represented in this pham: A3, A2, A5,

Info for manual annotations of cluster A2:
•Start number 2 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A3:
•Start number 3 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A5:
•Start number 4 was manually annotated 12 times for cluster A5.
•Start number 5 was manually annotated 1 time for cluster A5.
•Start number 6 was manually annotated 2 times for cluster A5.

Gene Information:

Gene: AgentM_85 Start: 48983, Stop: 48822, Start Num: 4
Candidate Starts for AgentM_85:
(Start: 4 @48983 has 12 MA's), (7, 48965), (8, 48953), (9, 48923), (11, 48887), (14, 48830),

Gene: Aragog_86 Start: 49280, Stop: 49119, Start Num: 4
Candidate Starts for Aragog_86:
(Start: 4 @49280 has 12 MA's), (7, 49262), (8, 49250), (9, 49220), (11, 49184), (14, 49127),

Gene: Archetta_75 Start: 45871, Stop: 45734, Start Num: 4
Candidate Starts for Archetta_75:
(Start: 4 @45871 has 12 MA's), (7, 45853), (8, 45841), (9, 45811), (11, 45775),

Gene: BabyRay_92 Start: 49565, Stop: 49431, Start Num: 3
Candidate Starts for BabyRay_92:
(1, 49589), (Start: 3 @49565 has 1 MA's), (9, 49508), (10, 49490), (12, 49445),

Gene: Bluefalcon_81 Start: 49514, Stop: 49377, Start Num: 4
Candidate Starts for Bluefalcon_81:
(Start: 4 @49514 has 12 MA's), (7, 49496), (9, 49454), (11, 49418),

Gene: Conspiracy_86 Start: 49223, Stop: 49062, Start Num: 4
Candidate Starts for Conspiracy_86:
(Start: 4 @49223 has 12 MA's), (7, 49205), (8, 49193), (9, 49163), (11, 49127), (14, 49070),

Gene: Discoknowium_83 Start: 48691, Stop: 48554, Start Num: 4
Candidate Starts for Discoknowium_83:
(Start: 4 @48691 has 12 MA's), (7, 48673), (8, 48661), (9, 48631), (11, 48595),

Gene: Dublin_86 Start: 48520, Stop: 48392, Start Num: 5
Candidate Starts for Dublin_86:
(Start: 5 @48520 has 1 MA's), (Start: 6 @48514 has 2 MA's), (9, 48469), (11, 48433),

Gene: ForGetIt_87 Start: 49530, Stop: 49369, Start Num: 4
Candidate Starts for ForGetIt_87:
(Start: 4 @49530 has 12 MA's), (7, 49512), (8, 49500), (9, 49470), (11, 49434), (14, 49377),

Gene: Jovo_84 Start: 49786, Stop: 49625, Start Num: 4
Candidate Starts for Jovo_84:
(Start: 4 @49786 has 12 MA's), (7, 49768), (8, 49756), (9, 49726), (11, 49690), (14, 49633),

Gene: Lev2_86 Start: 49139, Stop: 48978, Start Num: 4
Candidate Starts for Lev2_86:
(Start: 4 @49139 has 12 MA's), (7, 49121), (8, 49109), (9, 49079), (11, 49043), (14, 48986),

Gene: MarysWell_87 Start: 49703, Stop: 49581, Start Num: 6
Candidate Starts for MarysWell_87:
(Start: 5 @49709 has 1 MA's), (Start: 6 @49703 has 2 MA's), (9, 49658), (11, 49622),

Gene: Phlorence_84 Start: 48883, Stop: 48722, Start Num: 4
Candidate Starts for Phlorence_84:
(Start: 4 @48883 has 12 MA's), (7, 48865), (8, 48853), (9, 48823), (11, 48787), (14, 48730),

Gene: PickleBack_87 Start: 49337, Stop: 49176, Start Num: 4
Candidate Starts for PickleBack_87:
(Start: 4 @49337 has 12 MA's), (7, 49319), (8, 49307), (9, 49277), (11, 49241), (14, 49184),

Gene: Tiger_84 Start: 48804, Stop: 48643, Start Num: 4
Candidate Starts for Tiger_84:
(Start: 4 @48804 has 12 MA's), (7, 48786), (8, 48774), (9, 48744), (11, 48708), (14, 48651),

Gene: XianYue_92 Start: 51428, Stop: 51279, Start Num: 2
Candidate Starts for XianYue_92:
(Start: 2 @51428 has 1 MA's), (9, 51356), (10, 51338), (12, 51293), (13, 51287),

Gene: Zolita_84 Start: 49422, Stop: 49300, Start Num: 6
Candidate Starts for Zolita_84:
(Start: 6 @49422 has 2 MA's), (9, 49377), (11, 49341),