Pham 2986

1
2
6
7
8
12
13
1: Xeno_49 + 4
2
6
7
8
12
13
2: Bunnies_48 + 20
1
2
6
7
8
11
12
13
3: Nazo_50 + 1
2
3
4
5
6
7
8
9
12
4: ThulaThula_54
2
6
7
8
10
14
15
5: Purky_53

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 2986 Report

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

Pham number 2986 has 30 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Xeno_49, StressBall_47, Thespis_47, Atcoo_47, Brusacoram_47
• Track 2 : Bunnies_48, Juniormint_48, CactusJack_47, Willsammy_46, Camster_48, Bogie_51, HUHilltop_49, Philonius_49, Pygmy_51, Glaske_47, StevieRay_47, Megiddo_47, KilKor_47, GreaseLightnin_48, Shipwreck_51, Sonah_48, Ksquared_47, Aggie_47, Silvy_49, Phalm_47, Phineas_49
• Track 3 : Nazo_50, BigNuz_49
• Track 4 : ThulaThula_54
• Track 5 : Purky_53

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aggie_47, Atcoo_47, BigNuz_49, Bogie_51, Brusacoram_47, Bunnies_48, CactusJack_47, Camster_48, Glaske_47, GreaseLightnin_48, HUHilltop_49, Juniormint_48, KilKor_47, Ksquared_47, Megiddo_47, Nazo_50, Phalm_47, Philonius_49, Phineas_49, Purky_53, Pygmy_51, Shipwreck_51, Silvy_49, Sonah_48, StevieRay_47, StressBall_47, Thespis_47, ThulaThula_54, Willsammy_46, Xeno_49,

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

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

Summary by start number:

Start 2:
• Found in 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 28 of 28
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Aggie_47 (N), Atcoo_47 (P1), BigNuz_49 (P4), Bogie_51 (P1), Brusacoram_47 (P1), Bunnies_48 (P1), CactusJack_47 (P1), Camster_48 (P1), Glaske_47 (P1), GreaseLightnin_48 (P1), HUHilltop_49 (P1), Juniormint_48 (P1), KilKor_47 (P1), Ksquared_47 (P1), Megiddo_47 (P1), Nazo_50 (P4), Phalm_47 (P1), Philonius_49 (N), Phineas_49 (P1), Purky_53 (P6), Pygmy_51 (P1), Shipwreck_51 (P1), Silvy_49 (N), Sonah_48 (P1), StevieRay_47 (P1), StressBall_47 (P1), Thespis_47 (P1), ThulaThula_54 (P5), Willsammy_46 (P1), Xeno_49 (N),

Summary by clusters:

There are 5 clusters represented in this pham: P1, P6, P5, P4, N,

Info for manual annotations of cluster N:
•Start number 2 was manually annotated 3 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 2 was manually annotated 21 times for cluster P1.

Info for manual annotations of cluster P4:
•Start number 2 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 2 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:
•Start number 2 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Aggie_47 Start: 33112, Stop: 33324, Start Num: 2
Candidate Starts for Aggie_47:
(Start: 2 @33112 has 28 MA's), (6, 33148), (7, 33175), (8, 33178), (12, 33253), (13, 33277),

Gene: Atcoo_47 Start: 34001, Stop: 34213, Start Num: 2
Candidate Starts for Atcoo_47:
(1, 33893), (Start: 2 @34001 has 28 MA's), (6, 34037), (7, 34064), (8, 34067), (12, 34142), (13, 34166),

Gene: BigNuz_49 Start: 35500, Stop: 35712, Start Num: 2
Candidate Starts for BigNuz_49:
(1, 35392), (Start: 2 @35500 has 28 MA's), (6, 35536), (7, 35563), (8, 35566), (11, 35638), (12, 35641), (13, 35665),

Gene: Bogie_51 Start: 35772, Stop: 35984, Start Num: 2
Candidate Starts for Bogie_51:
(Start: 2 @35772 has 28 MA's), (6, 35808), (7, 35835), (8, 35838), (12, 35913), (13, 35937),

Gene: Brusacoram_47 Start: 33507, Stop: 33719, Start Num: 2
Candidate Starts for Brusacoram_47:

(1, 33399), (Start: 2 @33507 has 28 MA's), (6, 33543), (7, 33570), (8, 33573), (12, 33648), (13, 33672),

Gene: Bunnies_48 Start: 33521, Stop: 33733, Start Num: 2
Candidate Starts for Bunnies_48:
(Start: 2 @33521 has 28 MA's), (6, 33557), (7, 33584), (8, 33587), (12, 33662), (13, 33686),

Gene: CactusJack_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for CactusJack_47:
(Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: Camster_48 Start: 33528, Stop: 33740, Start Num: 2
Candidate Starts for Camster_48:
(Start: 2 @33528 has 28 MA's), (6, 33564), (7, 33591), (8, 33594), (12, 33669), (13, 33693),

Gene: Glaske_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for Glaske_47:
(Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: GreaseLightnin_48 Start: 33750, Stop: 33962, Start Num: 2
Candidate Starts for GreaseLightnin_48:
(Start: 2 @33750 has 28 MA's), (6, 33786), (7, 33813), (8, 33816), (12, 33891), (13, 33915),

Gene: HUHilltop_49 Start: 34029, Stop: 34241, Start Num: 2
Candidate Starts for HUHilltop_49:
(Start: 2 @34029 has 28 MA's), (6, 34065), (7, 34092), (8, 34095), (12, 34170), (13, 34194),

Gene: Juniormint_48 Start: 33543, Stop: 33755, Start Num: 2
Candidate Starts for Juniormint_48:
(Start: 2 @33543 has 28 MA's), (6, 33579), (7, 33606), (8, 33609), (12, 33684), (13, 33708),

Gene: KilKor_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for KilKor_47:
(Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: Ksquared_47 Start: 33521, Stop: 33733, Start Num: 2
Candidate Starts for Ksquared_47:
(Start: 2 @33521 has 28 MA's), (6, 33557), (7, 33584), (8, 33587), (12, 33662), (13, 33686),

Gene: Megiddo_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for Megiddo_47:
(Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: Nazo_50 Start: 35697, Stop: 35909, Start Num: 2
Candidate Starts for Nazo_50:
(1, 35589), (Start: 2 @35697 has 28 MA's), (6, 35733), (7, 35760), (8, 35763), (11, 35835), (12, 35838), (13, 35862),

Gene: Phalm_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for Phalm_47:
(Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: Philonius_49 Start: 32641, Stop: 32853, Start Num: 2

Candidate Starts for Philonius_49:
(Start: 2 @32641 has 28 MA's), (6, 32677), (7, 32704), (8, 32707), (12, 32782), (13, 32806),

Gene: Phineas_49 Start: 34364, Stop: 34576, Start Num: 2
Candidate Starts for Phineas_49:
(Start: 2 @34364 has 28 MA's), (6, 34400), (7, 34427), (8, 34430), (12, 34505), (13, 34529),

Gene: Purky_53 Start: 36111, Stop: 36326, Start Num: 2
Candidate Starts for Purky_53:
(Start: 2 @36111 has 28 MA's), (6, 36147), (7, 36174), (8, 36177), (10, 36234), (14, 36312), (15, 36315),

Gene: Pygmy_51 Start: 35828, Stop: 36040, Start Num: 2
Candidate Starts for Pygmy_51:
(Start: 2 @35828 has 28 MA's), (6, 35864), (7, 35891), (8, 35894), (12, 35969), (13, 35993),

Gene: Shipwreck_51 Start: 35803, Stop: 36015, Start Num: 2
Candidate Starts for Shipwreck_51:
(Start: 2 @35803 has 28 MA's), (6, 35839), (7, 35866), (8, 35869), (12, 35944), (13, 35968),

Gene: Silvy_49 Start: 33112, Stop: 33324, Start Num: 2
Candidate Starts for Silvy_49:
(Start: 2 @33112 has 28 MA's), (6, 33148), (7, 33175), (8, 33178), (12, 33253), (13, 33277),

Gene: Sonah_48 Start: 33500, Stop: 33712, Start Num: 2
Candidate Starts for Sonah_48:
(Start: 2 @33500 has 28 MA's), (6, 33536), (7, 33563), (8, 33566), (12, 33641), (13, 33665),

Gene: StevieRay_47 Start: 33473, Stop: 33685, Start Num: 2
Candidate Starts for StevieRay_47:
(Start: 2 @33473 has 28 MA's), (6, 33509), (7, 33536), (8, 33539), (12, 33614), (13, 33638),

Gene: StressBall_47 Start: 33771, Stop: 33983, Start Num: 2
Candidate Starts for StressBall_47:
(1, 33663), (Start: 2 @33771 has 28 MA's), (6, 33807), (7, 33834), (8, 33837), (12, 33912), (13, 33936),

Gene: Thespis_47 Start: 33507, Stop: 33719, Start Num: 2
Candidate Starts for Thespis_47:
(1, 33399), (Start: 2 @33507 has 28 MA's), (6, 33543), (7, 33570), (8, 33573), (12, 33648), (13, 33672),

Gene: ThulaThula_54 Start: 38184, Stop: 38399, Start Num: 2
Candidate Starts for ThulaThula_54:
(Start: 2 @38184 has 28 MA's), (3, 38196), (4, 38211), (5, 38214), (6, 38223), (7, 38250), (8, 38253), (9, 38280), (12, 38328),

Gene: Willsammy_46 Start: 33254, Stop: 33466, Start Num: 2
Candidate Starts for Willsammy_46:
(Start: 2 @33254 has 28 MA's), (6, 33290), (7, 33317), (8, 33320), (12, 33395), (13, 33419),

Gene: Xeno_49 Start: 32849, Stop: 33061, Start Num: 2
Candidate Starts for Xeno_49:

(1, 32741), (Start: 2 @32849 has 28 MA's), (6, 32885), (7, 32912), (8, 32915), (12, 32990), (13, 33014),