Pham 207324


6
11
12
16
1: Casablancas_23 + 8
7
11
12
16
2: Necrophoxinus_27
6
11
13
15
16
17
3: StevieWelch_24 + 1
6
11
13
15
16
17
4: HollowPurple_24
7
11
12
5: Erenyeager_23
1
2
3
4
5
8
9
10
13
14
6: WaterT_6

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 207324 Report

This analysis was run 02/22/25 on database version 588.

Pham number 207324 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Casablancas_23, Musetta_23, DustyDino_26, Lyell_24, Yuma_23, ASegato_23, Welcome_24, Issa7_22, RunningBrook_24
• Track 2 : Necrophoxinus_27
• Track 3 : StevieWelch_24, Fork_21
• Track 4 : HollowPurple_24
• Track 5 : Erenyeager_23
• Track 6 : WaterT_6

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_23, Casablancas_23, DustyDino_26, Fork_21, HollowPurple_24, Issa7_22, Lyell_24, Musetta_23, RunningBrook_24, StevieWelch_24, Welcome_24, Yuma_23,

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

Genes that do not have the "Most Annotated" start:
• Erenyeager_23, Necrophoxinus_27, WaterT_6,

Summary by start number:

Start 5:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WaterT_6 (GB),

Start 6:
• Found in 12 of 15 (80.0%) of genes in pham

• Manual Annotations of this start: 9 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_23 (ED2), Casablancas_23 (ED2), DustyDino_26 (ED2), Fork_21 (ED2), HollowPurple_24 (ED2), Issa7_22 (ED2), Lyell_24 (ED2), Musetta_23 (ED2), RunningBrook_24 (ED2), StevieWelch_24 (ED2), Welcome_24 (ED2), Yuma_23 (ED2),

Start 7:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erenyeager_23 (ED2), Necrophoxinus_27 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, GB,

Info for manual annotations of cluster ED2:
•Start number 6 was manually annotated 9 times for cluster ED2.
•Start number 7 was manually annotated 2 times for cluster ED2.

Info for manual annotations of cluster GB:
•Start number 5 was manually annotated 1 time for cluster GB.

Gene Information:

Gene: ASegato_23 Start: 7211, Stop: 7531, Start Num: 6
Candidate Starts for ASegato_23:
(Start: 6 @7211 has 9 MA's), (11, 7370), (12, 7394), (16, 7481),

Gene: Casablancas_23 Start: 7151, Stop: 7471, Start Num: 6
Candidate Starts for Casablancas_23:
(Start: 6 @7151 has 9 MA's), (11, 7310), (12, 7334), (16, 7421),

Gene: DustyDino_26 Start: 7914, Stop: 8234, Start Num: 6
Candidate Starts for DustyDino_26:
(Start: 6 @7914 has 9 MA's), (11, 8073), (12, 8097), (16, 8184),

Gene: Erenyeager_23 Start: 7431, Stop: 7748, Start Num: 7
Candidate Starts for Erenyeager_23:
(Start: 7 @7431 has 2 MA's), (11, 7587), (12, 7611),

Gene: Fork_21 Start: 6865, Stop: 7188, Start Num: 6
Candidate Starts for Fork_21:
(Start: 6 @6865 has 9 MA's), (11, 7024), (13, 7051), (15, 7099), (16, 7138), (17, 7147),

Gene: HollowPurple_24 Start: 7435, Stop: 7758, Start Num: 6
Candidate Starts for HollowPurple_24:
(Start: 6 @7435 has 9 MA's), (11, 7594), (13, 7621), (15, 7669), (16, 7708), (17, 7717),

Gene: Issa7_22 Start: 6846, Stop: 7166, Start Num: 6
Candidate Starts for Issa7_22:
(Start: 6 @6846 has 9 MA's), (11, 7005), (12, 7029), (16, 7116),

Gene: Lyell_24 Start: 7327, Stop: 7647, Start Num: 6
Candidate Starts for Lyell_24:
(Start: 6 @7327 has 9 MA's), (11, 7486), (12, 7510), (16, 7597),

Gene: Musetta_23 Start: 7405, Stop: 7725, Start Num: 6
Candidate Starts for Musetta_23:
(Start: 6 @7405 has 9 MA's), (11, 7564), (12, 7588), (16, 7675),

Gene: Necrophoxinus_27 Start: 8208, Stop: 8528, Start Num: 7
Candidate Starts for Necrophoxinus_27:
(Start: 7 @8208 has 2 MA's), (11, 8364), (12, 8388), (16, 8478),

Gene: RunningBrook_24 Start: 7914, Stop: 8234, Start Num: 6
Candidate Starts for RunningBrook_24:
(Start: 6 @7914 has 9 MA's), (11, 8073), (12, 8097), (16, 8184),

Gene: StevieWelch_24 Start: 7555, Stop: 7878, Start Num: 6
Candidate Starts for StevieWelch_24:
(Start: 6 @7555 has 9 MA's), (11, 7714), (13, 7741), (15, 7789), (16, 7828), (17, 7837),

Gene: WaterT_6 Start: 1700, Stop: 1993, Start Num: 5
Candidate Starts for WaterT_6:
(1, 1469), (2, 1478), (3, 1493), (4, 1514), (Start: 5 @1700 has 1 MA's), (8, 1736), (9, 1763), (10, 1811), (13, 1877), (14, 1895),

Gene: Welcome_24 Start: 7401, Stop: 7721, Start Num: 6
Candidate Starts for Welcome_24:
(Start: 6 @7401 has 9 MA's), (11, 7560), (12, 7584), (16, 7671),

Gene: Yuma_23 Start: 7304, Stop: 7624, Start Num: 6
Candidate Starts for Yuma_23:
(Start: 6 @7304 has 9 MA's), (11, 7463), (12, 7487), (16, 7574),