Pham 87760


1: Smooch_124
2: YungJamal_123
3: Dylan_120
4: Corndog_121
5: Ryadel_131
6: Vorrps_126 + 1
7: Firecracker_126

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 87760 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87760 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Smooch_124
• Track 2 : YungJamal_123
• Track 3 : Dylan_120
• Track 4 : Corndog_121
• Track 5 : Ryadel_131
• Track 6 : Vorrps_126, Murai_126
• Track 7 : Firecracker_126

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Firecracker_126, Murai_126, Ryadel_131, Smooch_124, Vorrps_126, YungJamal_123,

Genes that have the "Most Annotated" start but do not call it:
• Corndog_121,

Genes that do not have the "Most Annotated" start:
• Dylan_120,

Summary by start number:

Start 6:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Firecracker_126 (O), Murai_126 (O), Ryadel_131 (O), Smooch_124 (O), Vorrps_126 (O), YungJamal_123 (O),

Start 7:
• Found in 7 of 8 (87.5%) of genes in pham

• Manual Annotations of this start: 1 of 8
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Corndog_121 (O),

Start 10:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dylan_120 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 6 was manually annotated 6 times for cluster O.
•Start number 7 was manually annotated 1 time for cluster O.
•Start number 10 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Corndog_121 Start: 68705, Stop: 68067, Start Num: 7
Candidate Starts for Corndog_121:
(Start: 6 @68711 has 6 MA's), (Start: 7 @68705 has 1 MA's), (8, 68696), (9, 68684), (13, 68342), (14, 68285), (15, 68276), (16, 68219), (23, 68144), (25, 68111), (27, 68087), (28, 68081),

Gene: Dylan_120 Start: 68717, Stop: 68037, Start Num: 10
Candidate Starts for Dylan_120:
(1, 68846), (2, 68822), (3, 68810), (4, 68804), (5, 68795), (Start: 10 @68717 has 1 MA's), (11, 68546), (13, 68417), (14, 68360), (15, 68351), (16, 68294), (23, 68207), (25, 68174), (27, 68150), (28, 68144),

Gene: Firecracker_126 Start: 70285, Stop: 69470, Start Num: 6
Candidate Starts for Firecracker_126:
(Start: 6 @70285 has 6 MA's), (Start: 7 @70279 has 1 MA's), (8, 70270), (9, 70258), (12, 70045), (13, 69946), (14, 69889), (15, 69880), (16, 69823), (23, 69736), (29, 69670), (30, 69661), (34, 69583), (36, 69568),

Gene: Murai_126 Start: 70474, Stop: 69638, Start Num: 6
Candidate Starts for Murai_126:
(Start: 6 @70474 has 6 MA's), (Start: 7 @70468 has 1 MA's), (8, 70459), (9, 70447), (13, 70120), (14, 70063), (15, 70054), (16, 69997), (23, 69922), (25, 69889), (27, 69865), (28, 69859), (31, 69808), (32, 69766), (33, 69754), (35, 69748), (37, 69718),

Gene: Ryadel_131 Start: 71605, Stop: 70871, Start Num: 6
Candidate Starts for Ryadel_131:
(Start: 6 @71605 has 6 MA's), (Start: 7 @71599 has 1 MA's), (8, 71590), (9, 71578), (14, 71164), (15, 71155), (16, 71098), (17, 71077), (18, 71071), (19, 71065), (20, 71059), (21, 71053), (22, 71047), (23, 71041), (24, 71017), (27, 70984), (28, 70978), (33, 70900), (35, 70894),

Gene: Smooch_124 Start: 70360, Stop: 69515, Start Num: 6
Candidate Starts for Smooch_124:

(Start: 6 @70360 has 6 MA's), (Start: 7 @70354 has 1 MA's), (8, 70345), (9, 70333), (13, 69994), (14, 69949), (15, 69940), (16, 69883), (26, 69742), (30, 69703), (32, 69637), (33, 69625), (35, 69619),

Gene: Vorrps_126 Start: 70655, Stop: 69819, Start Num: 6
Candidate Starts for Vorrps_126:
(Start: 6 @70655 has 6 MA's), (Start: 7 @70649 has 1 MA's), (8, 70640), (9, 70628), (13, 70301), (14, 70244), (15, 70235), (16, 70178), (23, 70103), (25, 70070), (27, 70046), (28, 70040), (31, 69989), (32, 69947), (33, 69935), (35, 69929), (37, 69899),

Gene: YungJamal_123 Start: 69157, Stop: 68513, Start Num: 6
Candidate Starts for YungJamal_123:
(Start: 6 @69157 has 6 MA's), (Start: 7 @69151 has 1 MA's), (8, 69142), (9, 69130), (13, 68788), (14, 68731), (15, 68722), (16, 68665), (23, 68590), (25, 68557), (27, 68533), (28, 68527),