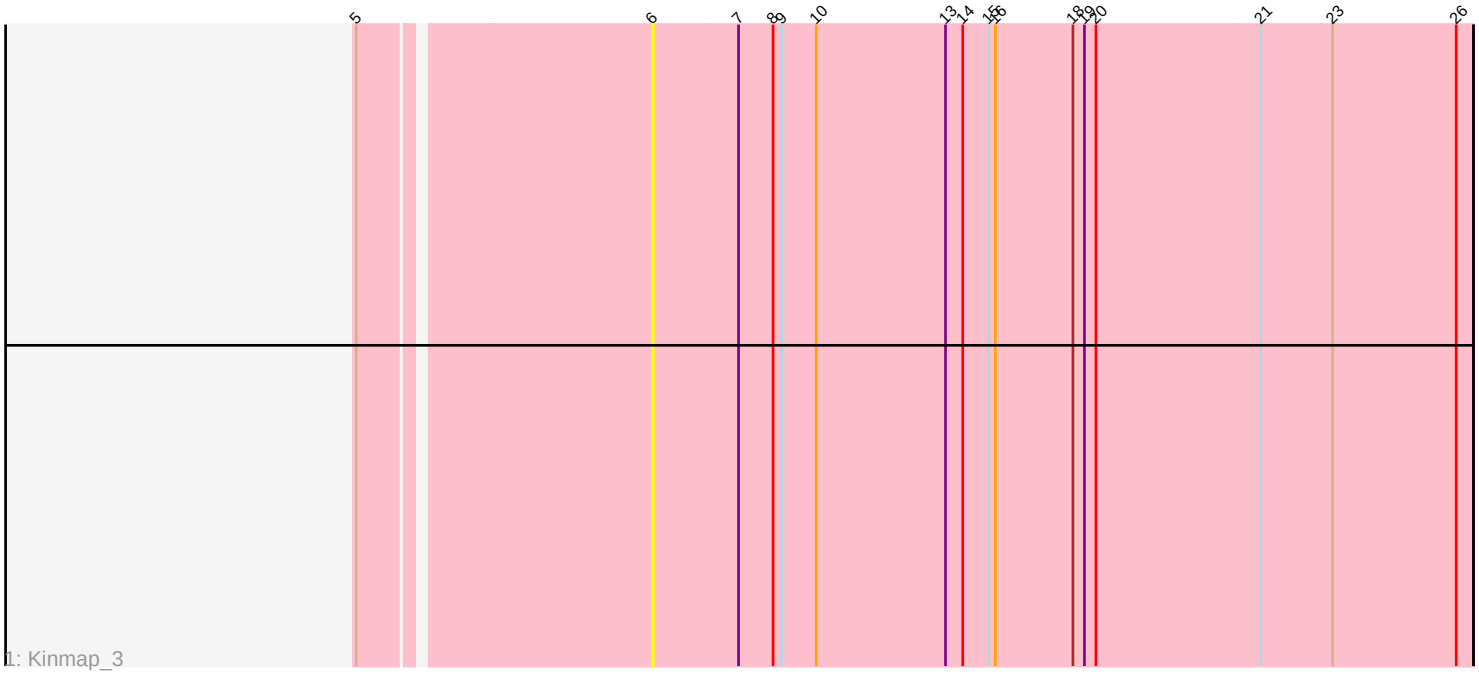
Pham 305491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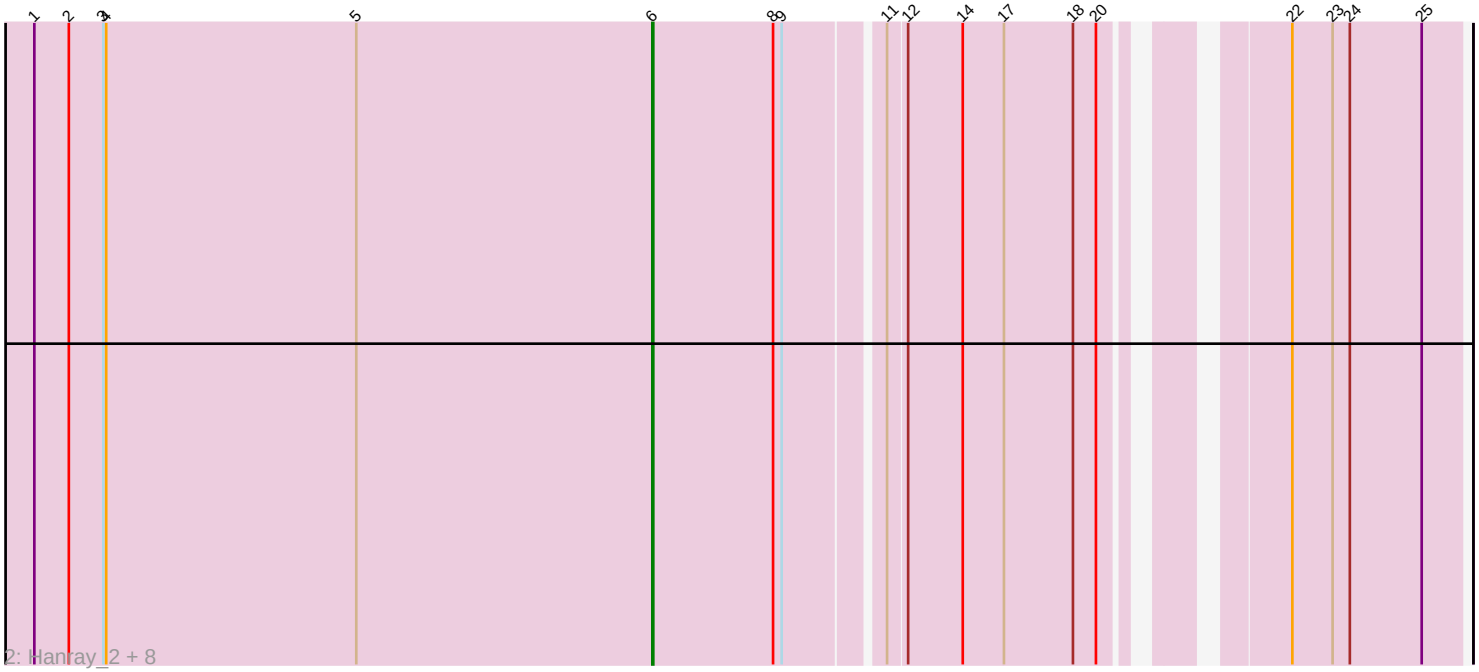
1: Kinmap_3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2: Hanray_2 + 8

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 305491 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305491 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Kinmap_3
• Track 2 : Hanray_2, Fayely_2, Onglai_3, ExplosioNervosa_2, Holex_2, Jiawan_2, PackMan_2, Ayanochan_3, RyeScarlet_3

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ayanochan_3, ExplosioNervosa_2, Fayely_2, Hanray_2, Holex_2, Jiawan_2, Kinmap_3, Onglai_3, PackMan_2, RyeScarlet_3,

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 6:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ayanochan_3 (A9), ExplosioNervosa_2 (A9), Fayely_2 (A9), Hanray_2 (A9), Holex_2 (A9), Jiawan_2 (A9), Kinmap_3 (A21), Onglai_3 (A9), PackMan_2 (A9), RyeScarlet_3 (A9),

Summary by clusters:

There are 2 clusters represented in this pham: A9, A21,

Info for manual annotations of cluster A9:
•Start number 6 was manually annotated 3 times for cluster A9.

Gene Information:

Gene: Ayanochan_3 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Ayanochan_3:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: ExplosioNervosa_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for ExplosioNervosa_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: Fayely_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Fayely_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: Hanray_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Hanray_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: Holex_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Holex_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: Jiawan_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Jiawan_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: Kinmap_3 Start: 1418, Stop: 2269, Start Num: 6
Candidate Starts for Kinmap_3:
(5, 1133), (Start: 6 @1418 has 3 MA's), (7, 1505), (8, 1541), (9, 1550), (10, 1586), (13, 1721), (14, 1739), (15, 1766), (16, 1772), (18, 1853), (19, 1865), (20, 1877), (21, 2048), (23, 2123), (26, 2252),

Gene: Onglai_3 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for Onglai_3:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: PackMan_2 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for PackMan_2:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),

Gene: RyeScarlet_3 Start: 1359, Stop: 2114, Start Num: 6
Candidate Starts for RyeScarlet_3:
(1, 714), (2, 750), (3, 786), (4, 789), (5, 1050), (Start: 6 @1359 has 3 MA's), (8, 1485), (9, 1494), (11, 1587), (12, 1605), (14, 1662), (17, 1704), (18, 1776), (20, 1800), (22, 1938), (23, 1980), (24, 1998), (25, 2073),