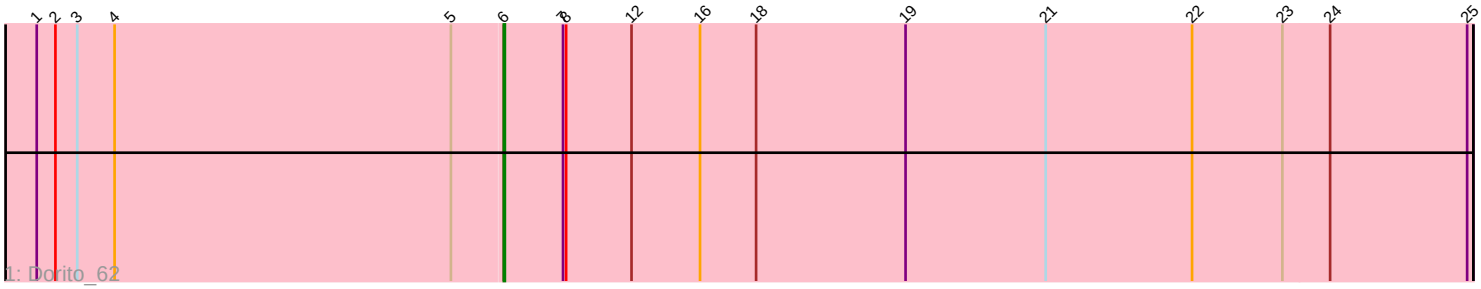
Pham 331501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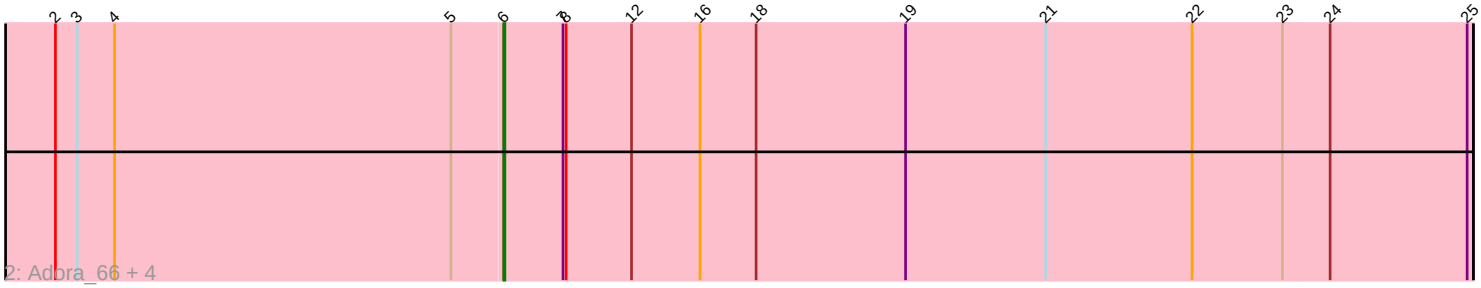
1: Dorito_62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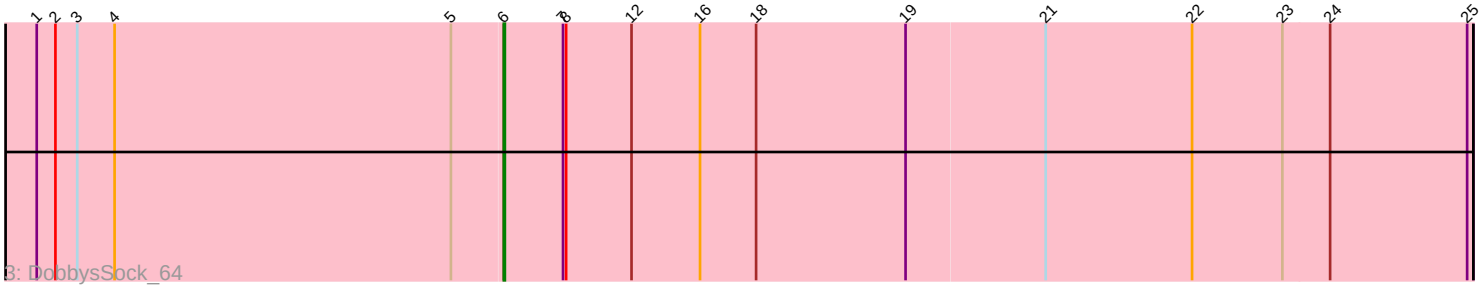
2: Adora_66 + 4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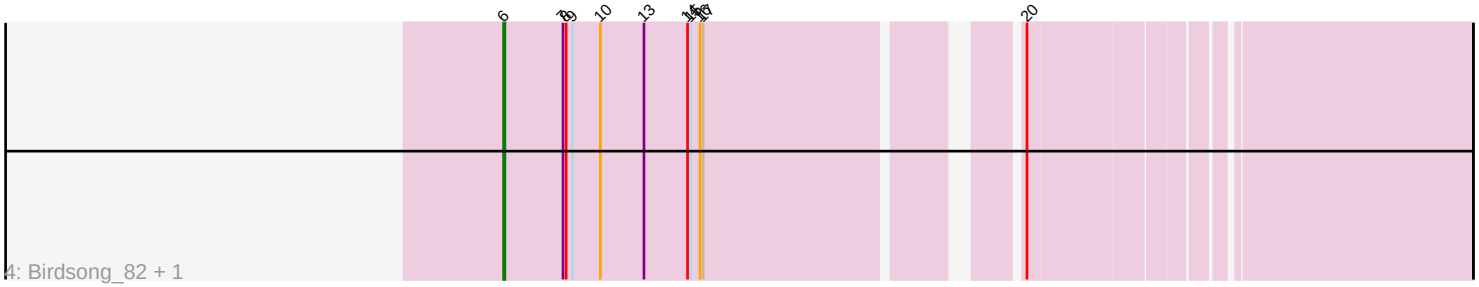
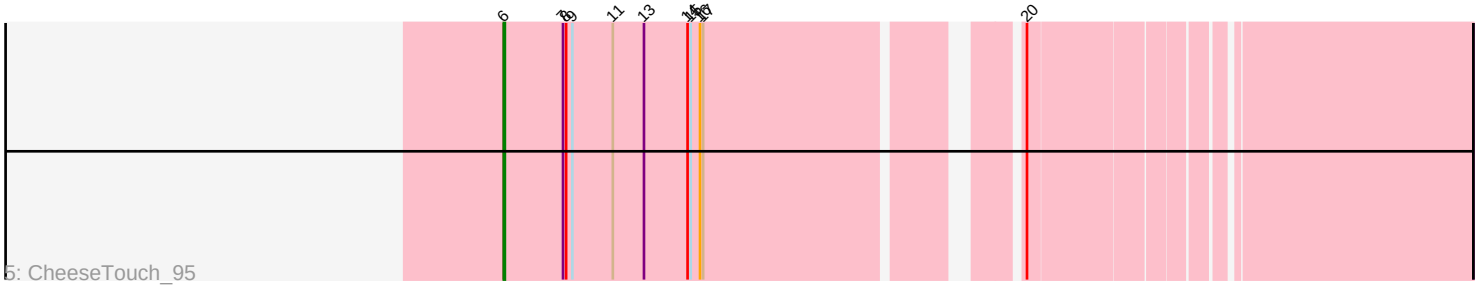
3: DobbysSock_64


6
10
13
20
4: Birdsong_82 + 1


6
11
13
20
5: CheeseTouch_95

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 331501 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331501 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dorito_62
• Track 2 : Adora_66, Howe_69, Hortense_69, Twinkle_68, Shlim410_67
• Track 3 : DobbysSock_64
• Track 4 : Birdsong_82, Asapag_83
• Track 5 : CheeseTouch_95

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_66, Asapag_83, Birdsong_82, CheeseTouch_95, DobbysSock_64, Dorito_62, Hortense_69, Howe_69, Shlim410_67, Twinkle_68,

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: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_66 (CZ4), Asapag_83 (DN1), Birdsong_82 (DN), CheeseTouch_95 (DN1), DobbysSock_64 (CZ4), Dorito_62 (CZ4), Hortense_69 (CZ4), Howe_69 (CZ4), Shlim410_67 (CZ4), Twinkle_68 (CZ4),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DN1, CZ4,

Info for manual annotations of cluster CZ4:
•Start number 6 was manually annotated 7 times for cluster CZ4.

Info for manual annotations of cluster DN:
•Start number 6 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 6 was manually annotated 2 times for cluster DN1.

Gene Information:

Gene: Adora_66 Start: 45210, Stop: 46142, Start Num: 6
Candidate Starts for Adora_66:
(2, 44781), (3, 44802), (4, 44838), (5, 45162), (Start: 6 @45210 has 10 MA's), (7, 45267), (8, 45270), (12, 45333), (16, 45399), (18, 45453), (19, 45597), (21, 45732), (22, 45873), (23, 45960), (24, 46005), (25, 46137),

Gene: Asapag_83 Start: 47246, Stop: 48094, Start Num: 6
Candidate Starts for Asapag_83:
(Start: 6 @47246 has 10 MA's), (7, 47303), (8, 47306), (9, 47312), (10, 47339), (13, 47381), (14, 47423), (15, 47426), (16, 47435), (17, 47438), (20, 47702),

Gene: Birdsong_82 Start: 46982, Stop: 47830, Start Num: 6
Candidate Starts for Birdsong_82:
(Start: 6 @46982 has 10 MA's), (7, 47039), (8, 47042), (9, 47048), (10, 47075), (13, 47117), (14, 47159), (15, 47162), (16, 47171), (17, 47174), (20, 47438),

Gene: CheeseTouch_95 Start: 46569, Stop: 47417, Start Num: 6
Candidate Starts for CheeseTouch_95:
(Start: 6 @46569 has 10 MA's), (7, 46626), (8, 46629), (9, 46635), (11, 46674), (13, 46704), (14, 46746), (15, 46749), (16, 46758), (17, 46761), (20, 47025),

Gene: DobbysSock_64 Start: 42660, Stop: 43589, Start Num: 6
Candidate Starts for DobbysSock_64:
(1, 42213), (2, 42231), (3, 42252), (4, 42288), (5, 42612), (Start: 6 @42660 has 10 MA's), (7, 42717), (8, 42720), (12, 42783), (16, 42849), (18, 42903), (19, 43047), (21, 43179), (22, 43320), (23, 43407), (24, 43452), (25, 43584),

Gene: Dorito_62 Start: 40527, Stop: 41459, Start Num: 6
Candidate Starts for Dorito_62:
(1, 40080), (2, 40098), (3, 40119), (4, 40155), (5, 40479), (Start: 6 @40527 has 10 MA's), (7, 40584), (8, 40587), (12, 40650), (16, 40716), (18, 40770), (19, 40914), (21, 41049), (22, 41190), (23, 41277), (24, 41322), (25, 41454),

Gene: Hortense_69 Start: 46565, Stop: 47497, Start Num: 6
Candidate Starts for Hortense_69:
(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Howe_69 Start: 46565, Stop: 47497, Start Num: 6
Candidate Starts for Howe_69:
(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Shlim410_67 Start: 46565, Stop: 47497, Start Num: 6
Candidate Starts for Shlim410_67:
(2, 46136), (3, 46157), (4, 46193), (5, 46517), (Start: 6 @46565 has 10 MA's), (7, 46622), (8, 46625), (12, 46688), (16, 46754), (18, 46808), (19, 46952), (21, 47087), (22, 47228), (23, 47315), (24, 47360), (25, 47492),

Gene: Twinkle_68 Start: 47624, Stop: 48556, Start Num: 6
Candidate Starts for Twinkle_68:
(2, 47195), (3, 47216), (4, 47252), (5, 47576), (Start: 6 @47624 has 10 MA's), (7, 47681), (8, 47684), (12, 47747), (16, 47813), (18, 47867), (19, 48011), (21, 48146), (22, 48287), (23, 48374), (24, 48419), (25, 48551),