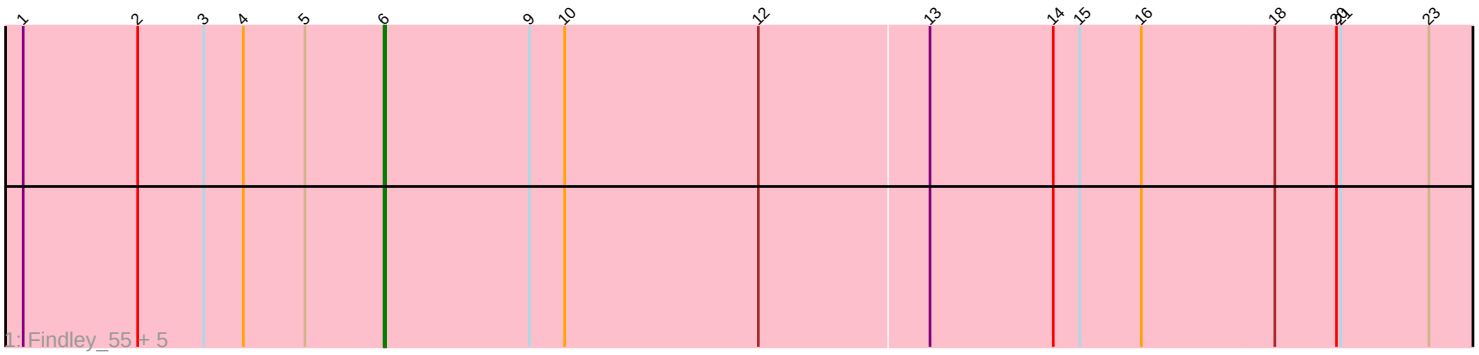
Pham 281079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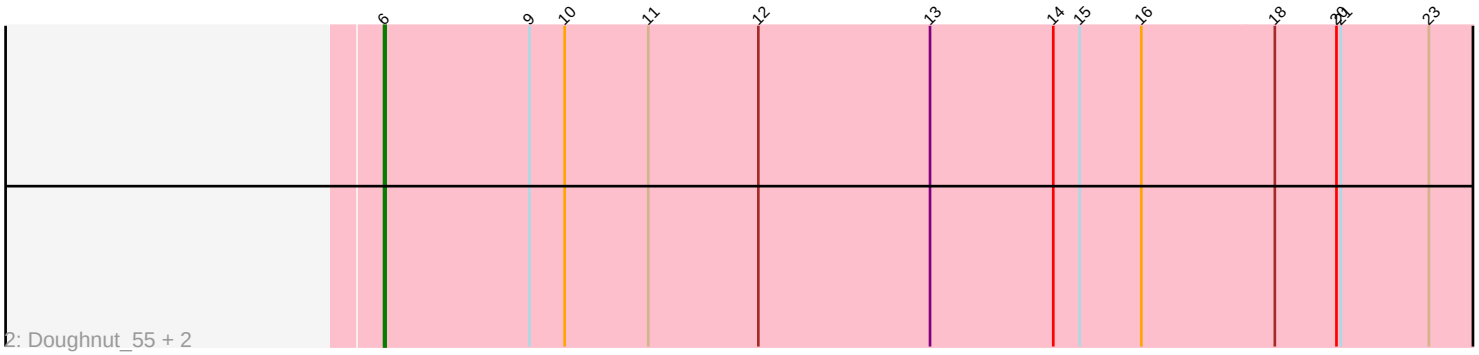
1: Findley_55 + 5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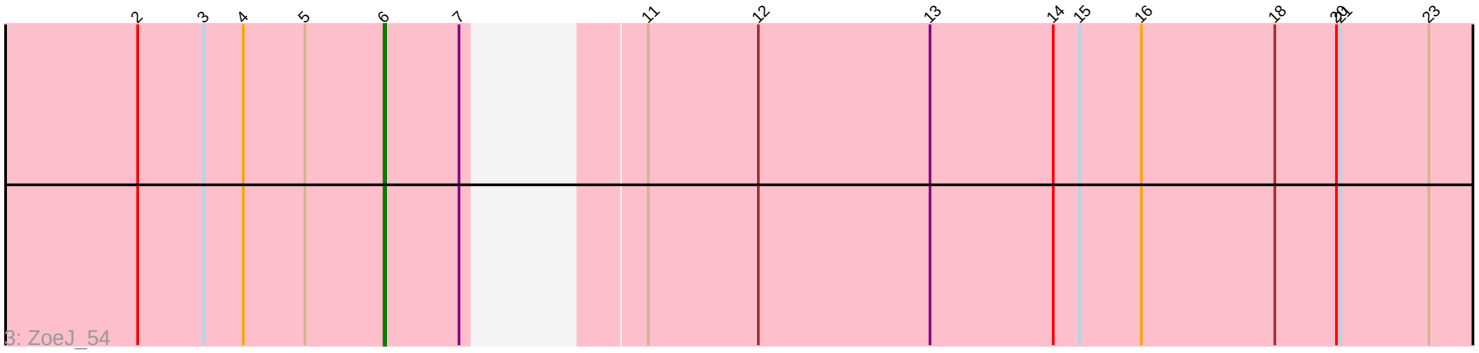
2: Doughnut_55 + 2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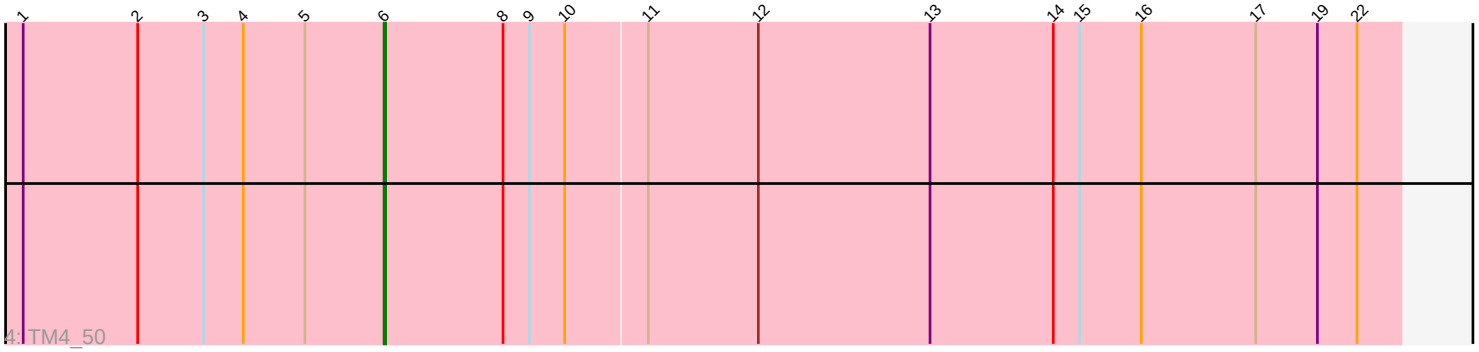
3: ZoeJ_54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4: TM4_50

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 281079 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281079 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Findley_55, Strobilo_55, DismalFunk_55, Milly_55, DismalStressor_55, Marcoliusprime_55
• Track 2 : Doughnut_55, Mufasa_55, BoostSeason_55
• Track 3 : ZoeJ_54
• Track 4 : TM4_50

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BoostSeason_55, DismalFunk_55, DismalStressor_55, Doughnut_55, Findley_55, Marcoliusprime_55, Milly_55, Mufasa_55, Strobilo_55, TM4_50, ZoeJ_54,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_55 (K2), DismalFunk_55 (K2), DismalStressor_55 (K2), Doughnut_55 (K2), Findley_55 (K2), Marcoliusprime_55 (K2), Milly_55 (K2), Mufasa_55 (K2), Strobilo_55 (K2), TM4_50 (K2), ZoeJ_54 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:
•Start number 6 was manually annotated 11 times for cluster K2.

Gene Information:

Gene: BoostSeason_55 Start: 39361, Stop: 40122, Start Num: 6
Candidate Starts for BoostSeason_55:
(Start: 6 @39361 has 11 MA's), (9, 39460), (10, 39484), (11, 39541), (12, 39616), (13, 39733), (14, 39817), (15, 39835), (16, 39877), (18, 39967), (20, 40009), (21, 40012), (23, 40072),

Gene: DismalFunk_55 Start: 39789, Stop: 40547, Start Num: 6
Candidate Starts for DismalFunk_55:
(1, 39543), (2, 39621), (3, 39666), (4, 39693), (5, 39735), (Start: 6 @39789 has 11 MA's), (9, 39888), (10, 39912), (12, 40044), (13, 40158), (14, 40242), (15, 40260), (16, 40302), (18, 40392), (20, 40434), (21, 40437), (23, 40497),

Gene: DismalStressor_55 Start: 39789, Stop: 40547, Start Num: 6
Candidate Starts for DismalStressor_55:
(1, 39543), (2, 39621), (3, 39666), (4, 39693), (5, 39735), (Start: 6 @39789 has 11 MA's), (9, 39888), (10, 39912), (12, 40044), (13, 40158), (14, 40242), (15, 40260), (16, 40302), (18, 40392), (20, 40434), (21, 40437), (23, 40497),

Gene: Doughnut_55 Start: 39402, Stop: 40163, Start Num: 6
Candidate Starts for Doughnut_55:
(Start: 6 @39402 has 11 MA's), (9, 39501), (10, 39525), (11, 39582), (12, 39657), (13, 39774), (14, 39858), (15, 39876), (16, 39918), (18, 40008), (20, 40050), (21, 40053), (23, 40113),

Gene: Findley_55 Start: 39782, Stop: 40540, Start Num: 6
Candidate Starts for Findley_55:
(1, 39536), (2, 39614), (3, 39659), (4, 39686), (5, 39728), (Start: 6 @39782 has 11 MA's), (9, 39881), (10, 39905), (12, 40037), (13, 40151), (14, 40235), (15, 40253), (16, 40295), (18, 40385), (20, 40427), (21, 40430), (23, 40490),

Gene: Marcoliusprime_55 Start: 39789, Stop: 40547, Start Num: 6
Candidate Starts for Marcoliusprime_55:
(1, 39543), (2, 39621), (3, 39666), (4, 39693), (5, 39735), (Start: 6 @39789 has 11 MA's), (9, 39888), (10, 39912), (12, 40044), (13, 40158), (14, 40242), (15, 40260), (16, 40302), (18, 40392), (20, 40434), (21, 40437), (23, 40497),

Gene: Milly_55 Start: 39762, Stop: 40520, Start Num: 6
Candidate Starts for Milly_55:
(1, 39516), (2, 39594), (3, 39639), (4, 39666), (5, 39708), (Start: 6 @39762 has 11 MA's), (9, 39861), (10, 39885), (12, 40017), (13, 40131), (14, 40215), (15, 40233), (16, 40275), (18, 40365), (20, 40407), (21, 40410), (23, 40470),

Gene: Mufasa_55 Start: 39346, Stop: 40107, Start Num: 6
Candidate Starts for Mufasa_55:
(Start: 6 @39346 has 11 MA's), (9, 39445), (10, 39469), (11, 39526), (12, 39601), (13, 39718), (14, 39802), (15, 39820), (16, 39862), (18, 39952), (20, 39994), (21, 39997), (23, 40057),

Gene: Strobilo_55 Start: 39764, Stop: 40522, Start Num: 6
Candidate Starts for Strobilo_55:
(1, 39518), (2, 39596), (3, 39641), (4, 39668), (5, 39710), (Start: 6 @39764 has 11 MA's), (9, 39863), (10, 39887), (12, 40019), (13, 40133), (14, 40217), (15, 40235), (16, 40277), (18, 40367), (20, 40409), (21, 40412), (23, 40472),

Gene: TM4_50 Start: 34144, Stop: 34833, Start Num: 6
Candidate Starts for TM4_50:
(1, 33898), (2, 33976), (3, 34021), (4, 34048), (5, 34090), (Start: 6 @34144 has 11 MA's), (8, 34225), (9, 34243), (10, 34267), (11, 34321), (12, 34396), (13, 34513), (14, 34597), (15, 34615), (16, 34657), (17, 34735), (19, 34777), (22, 34804),

Gene: ZoeJ_54 Start: 39235, Stop: 39918, Start Num: 6
Candidate Starts for ZoeJ_54:
(2, 39067), (3, 39112), (4, 39139), (5, 39181), (Start: 6 @39235 has 11 MA's), (7, 39286), (11, 39337), (12, 39412), (13, 39529), (14, 39613), (15, 39631), (16, 39673), (18, 39763), (20, 39805), (21, 39808), (23, 39868),