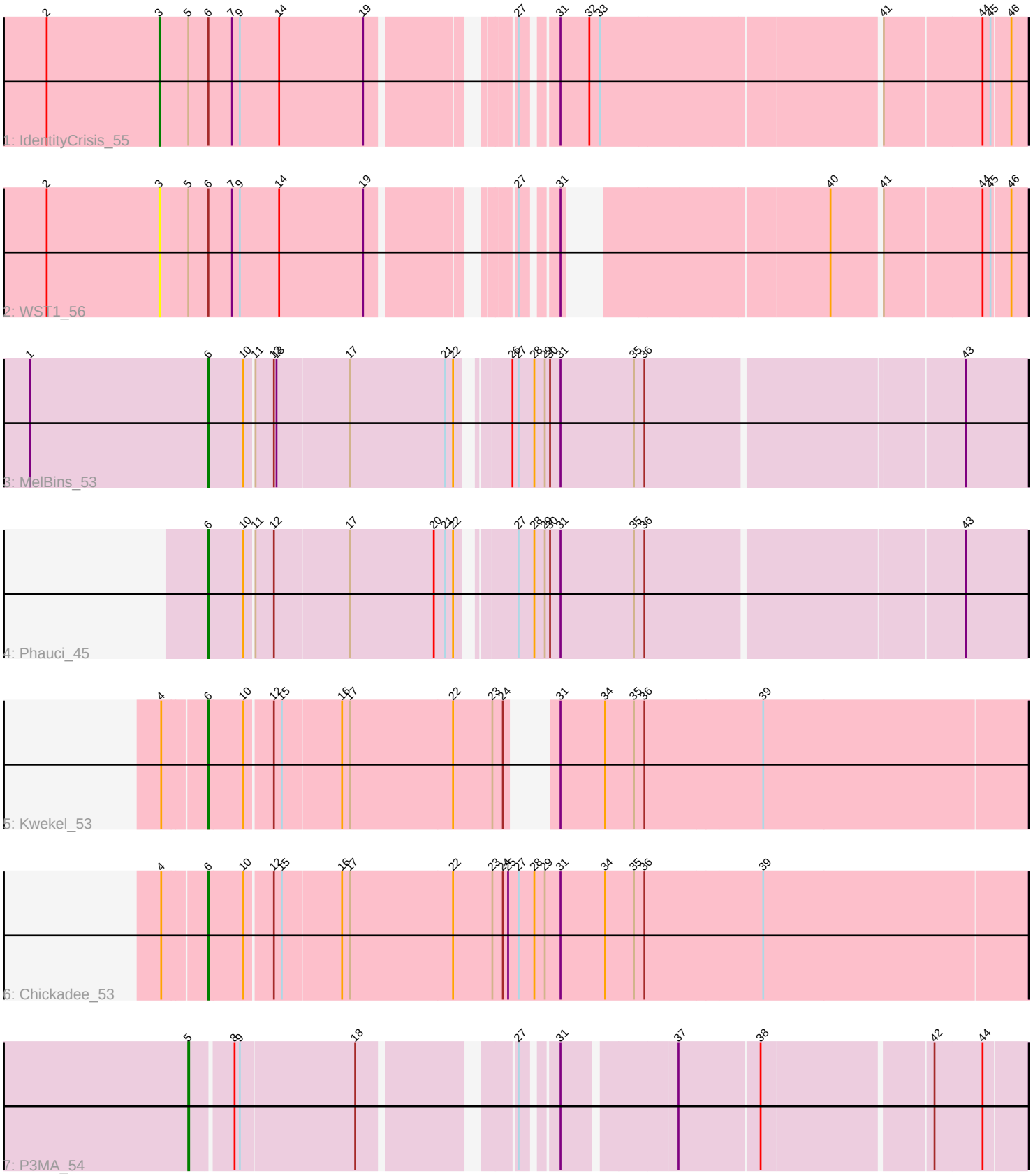
Pham 346512


1: IdentityCrisis_55
2: WST1_56
3: MelBins_53
4: Phauci_45
5: Kwekel_53
6: Chickadee_53
7: P3MA_54

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 346512 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346512 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : IdentityCrisis_55
• Track 2 : WST1_56
• Track 3 : MelBins_53
• Track 4 : Phauci_45
• Track 5 : Kwekel_53
• Track 6 : Chickadee_53
• Track 7 : P3MA_54

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

Genes that call this "Most Annotated" start:
• Chickadee_53, Kwekel_53, MelBins_53, Phauci_45,

Genes that have the "Most Annotated" start but do not call it:
• IdentityCrisis_55, WST1_56,

Genes that do not have the "Most Annotated" start:
• P3MA_54,

Summary by start number:

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_55 (AJ), WST1_56 (AJ),

Start 5:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present

• Phage (with cluster) where this start called: P3MA_54 (singleton),

Start 6:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Chickadee_53 (DE3), Kwekel_53 (DE3), MelBins_53 (DE2), Phauci_45 (DE2),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, AJ, DE2, DE3,

Info for manual annotations of cluster AJ:
•Start number 3 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster DE2:
•Start number 6 was manually annotated 2 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 6 was manually annotated 2 times for cluster DE3.

Gene Information:

Gene: Chickadee_53 Start: 41704, Stop: 42621, Start Num: 6
Candidate Starts for Chickadee_53:
(4, 41656), (Start: 6 @41704 has 4 MA's), (10, 41743), (12, 41773), (15, 41782), (16, 41848), (17, 41857), (22, 41974), (23, 42019), (24, 42031), (25, 42037), (27, 42049), (28, 42067), (29, 42079), (31, 42097), (34, 42148), (35, 42181), (36, 42193), (39, 42322),

Gene: IdentityCrisis_55 Start: 33972, Stop: 34871, Start Num: 3
Candidate Starts for IdentityCrisis_55:
(2, 33843), (Start: 3 @33972 has 1 MA's), (Start: 5 @34005 has 1 MA's), (Start: 6 @34026 has 4 MA's), (7, 34053), (9, 34062), (14, 34107), (19, 34203), (27, 34335), (31, 34368), (32, 34401), (33, 34413), (41, 34716), (44, 34824), (45, 34833), (46, 34854),

Gene: Kwekel_53 Start: 41665, Stop: 42534, Start Num: 6
Candidate Starts for Kwekel_53:
(4, 41617), (Start: 6 @41665 has 4 MA's), (10, 41704), (12, 41734), (15, 41743), (16, 41809), (17, 41818), (22, 41935), (23, 41980), (24, 41992), (31, 42010), (34, 42061), (35, 42094), (36, 42106), (39, 42235),

Gene: MelBins_53 Start: 44186, Stop: 45055, Start Num: 6
Candidate Starts for MelBins_53:
(1, 43982), (Start: 6 @44186 has 4 MA's), (10, 44225), (11, 44234), (12, 44255), (13, 44258), (17, 44339), (21, 44447), (22, 44456), (26, 44501), (27, 44507), (28, 44525), (29, 44537), (30, 44543), (31, 44555), (35, 44639), (36, 44651), (43, 44987),

Gene: P3MA_54 Start: 36726, Stop: 37580, Start Num: 5
Candidate Starts for P3MA_54:

(Start: 5 @36726 has 1 MA's), (8, 36768), (9, 36774), (18, 36903), (27, 37053), (31, 37086), (37, 37206), (38, 37296), (42, 37479), (44, 37533),

Gene: Phauci_45 Start: 40849, Stop: 41718, Start Num: 6
Candidate Starts for Phauci_45:
(Start: 6 @40849 has 4 MA's), (10, 40888), (11, 40897), (12, 40918), (17, 41002), (20, 41098), (21, 41110), (22, 41119), (27, 41170), (28, 41188), (29, 41200), (30, 41206), (31, 41218), (35, 41302), (36, 41314), (43, 41650),

Gene: WST1_56 Start: 33829, Stop: 34683, Start Num: 3
Candidate Starts for WST1_56:
(2, 33700), (Start: 3 @33829 has 1 MA's), (Start: 5 @33862 has 1 MA's), (Start: 6 @33883 has 4 MA's), (7, 33910), (9, 33919), (14, 33964), (19, 34060), (27, 34192), (31, 34225), (40, 34477), (41, 34528), (44, 34636), (45, 34645), (46, 34666),