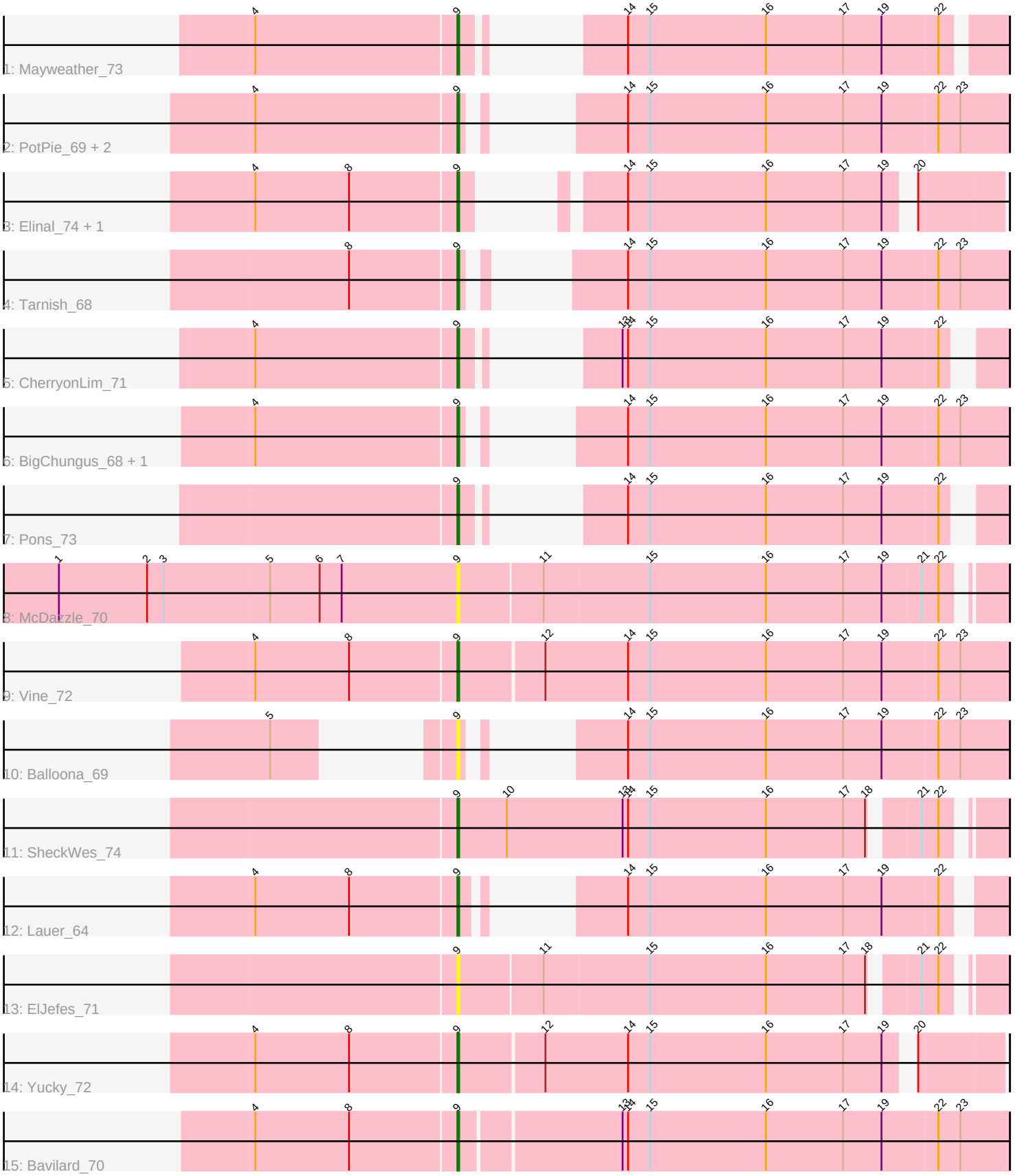
Pham 342596


1: Mayweather_73
2: PotPie_69 + 2
3: Elinal_74 + 1
4: Tarnish_68
5: CherryonLim_71
6: BigChungus_68 + 1
7: Pons_73
8: McDazzle_70
9: Vine_72
10: Balloona_69
11: SheckWes_74
12: Lauer_64
13: ElJefes_71
14: Yucky_72
15: Bavilard_70

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 342596 Report

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

Pham number 342596 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Mayweather_73
• Track 2 : PotPie_69, SummitAcademy_69, CocoaPuff_68
• Track 3 : Elinal_74, KayGee_72
• Track 4 : Tarnish_68
• Track 5 : CherryonLim_71
• Track 6 : BigChungus_68, Feastonyeet_68
• Track 7 : Pons_73
• Track 8 : McDazzle_70
• Track 9 : Vine_72
• Track 10 : Balloona_69
• Track 11 : SheckWes_74
• Track 12 : Lauer_64
• Track 13 : ElJefes_71
• Track 14 : Yucky_72
• Track 15 : Bavilard_70

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Balloona_69, Bavilard_70, BigChungus_68, CherryonLim_71, CocoaPuff_68, ElJefes_71, Elinal_74, Feastonyeet_68, KayGee_72, Lauer_64, Mayweather_73, McDazzle_70, Pons_73, PotPie_69, SheckWes_74, SummitAcademy_69, Tarnish_68, Vine_72, Yucky_72,

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 9:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Balloona_69 (CT), Bavilard_70 (CT), BigChungus_68 (CT), CherryonLim_71 (CT), CocoaPuff_68 (CT), ElJefes_71 (CT), Elinal_74 (CT), Feastonyeet_68 (CT), KayGee_72 (CT), Lauer_64 (CT), Mayweather_73 (CT), McDazzle_70 (CT), Pons_73 (CT), PotPie_69 (CT), SheckWes_74 (CT), SummitAcademy_69 (CT), Tarnish_68 (CT), Vine_72 (CT), Yucky_72 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 9 was manually annotated 15 times for cluster CT.

Gene Information:

Gene: Balloona_69 Start: 46779, Stop: 47021, Start Num: 9
Candidate Starts for Balloona_69:
(5, 46737), (Start: 9 @46779 has 15 MA's), (14, 46815), (15, 46827), (16, 46890), (17, 46932), (19, 46953), (22, 46983), (23, 46995),

Gene: Bavilard_70 Start: 45864, Stop: 46157, Start Num: 9
Candidate Starts for Bavilard_70:
(4, 45756), (8, 45807), (Start: 9 @45864 has 15 MA's), (13, 45948), (14, 45951), (15, 45963), (16, 46026), (17, 46068), (19, 46089), (22, 46119), (23, 46131),

Gene: BigChungus_68 Start: 46032, Stop: 46274, Start Num: 9
Candidate Starts for BigChungus_68:
(4, 45924), (Start: 9 @46032 has 15 MA's), (14, 46068), (15, 46080), (16, 46143), (17, 46185), (19, 46206), (22, 46236), (23, 46248),

Gene: CherryonLim_71 Start: 47828, Stop: 48055, Start Num: 9
Candidate Starts for CherryonLim_71:
(4, 47720), (Start: 9 @47828 has 15 MA's), (13, 47861), (14, 47864), (15, 47876), (16, 47939), (17, 47981), (19, 48002), (22, 48032),

Gene: CocoaPuff_68 Start: 46037, Stop: 46279, Start Num: 9
Candidate Starts for CocoaPuff_68:
(4, 45929), (Start: 9 @46037 has 15 MA's), (14, 46073), (15, 46085), (16, 46148), (17, 46190), (19, 46211), (22, 46241), (23, 46253),

Gene: ElJefes_71 Start: 46711, Stop: 46986, Start Num: 9
Candidate Starts for ElJefes_71:
(Start: 9 @46711 has 15 MA's), (11, 46756), (15, 46813), (16, 46876), (17, 46918), (18, 46930), (21, 46951), (22, 46960),

Gene: Elinal_74 Start: 47155, Stop: 47385, Start Num: 9
Candidate Starts for Elinal_74:
(4, 47047), (8, 47098), (Start: 9 @47155 has 15 MA's), (14, 47194), (15, 47206), (16, 47269), (17, 47311), (19, 47332), (20, 47341),

Gene: Feastonyeet_68 Start: 46032, Stop: 46274, Start Num: 9
Candidate Starts for Feastonyeet_68:
(4, 45924), (Start: 9 @46032 has 15 MA's), (14, 46068), (15, 46080), (16, 46143), (17, 46185), (19, 46206), (22, 46236), (23, 46248),

Gene: KayGee_72 Start: 47142, Stop: 47372, Start Num: 9
Candidate Starts for KayGee_72:
(4, 47034), (8, 47085), (Start: 9 @47142 has 15 MA's), (14, 47181), (15, 47193), (16, 47256), (17, 47298), (19, 47319), (20, 47328),

Gene: Lauer_64 Start: 46986, Stop: 47219, Start Num: 9
Candidate Starts for Lauer_64:
(4, 46878), (8, 46929), (Start: 9 @46986 has 15 MA's), (14, 47025), (15, 47037), (16, 47100), (17, 47142), (19, 47163), (22, 47193),

Gene: Mayweather_73 Start: 47208, Stop: 47441, Start Num: 9
Candidate Starts for Mayweather_73:
(4, 47100), (Start: 9 @47208 has 15 MA's), (14, 47244), (15, 47256), (16, 47319), (17, 47361), (19, 47382), (22, 47412),

Gene: McDazzle_70 Start: 46725, Stop: 47009, Start Num: 9
Candidate Starts for McDazzle_70:
(1, 46509), (2, 46557), (3, 46566), (5, 46623), (6, 46650), (7, 46662), (Start: 9 @46725 has 15 MA's), (11, 46770), (15, 46827), (16, 46890), (17, 46932), (19, 46953), (21, 46974), (22, 46983),

Gene: Pons_73 Start: 46862, Stop: 47089, Start Num: 9
Candidate Starts for Pons_73:
(Start: 9 @46862 has 15 MA's), (14, 46898), (15, 46910), (16, 46973), (17, 47015), (19, 47036), (22, 47066),

Gene: PotPie_69 Start: 47046, Stop: 47288, Start Num: 9
Candidate Starts for PotPie_69:
(4, 46938), (Start: 9 @47046 has 15 MA's), (14, 47082), (15, 47094), (16, 47157), (17, 47199), (19, 47220), (22, 47250), (23, 47262),

Gene: SheckWes_74 Start: 46431, Stop: 46709, Start Num: 9
Candidate Starts for SheckWes_74:
(Start: 9 @46431 has 15 MA's), (10, 46458), (13, 46521), (14, 46524), (15, 46536), (16, 46599), (17, 46641), (18, 46653), (21, 46674), (22, 46683),

Gene: SummitAcademy_69 Start: 46189, Stop: 46431, Start Num: 9
Candidate Starts for SummitAcademy_69:
(4, 46081), (Start: 9 @46189 has 15 MA's), (14, 46225), (15, 46237), (16, 46300), (17, 46342), (19, 46363), (22, 46393), (23, 46405),

Gene: Tarnish_68 Start: 46381, Stop: 46626, Start Num: 9
Candidate Starts for Tarnish_68:

(8, 46324), (Start: 9 @46381 has 15 MA's), (14, 46420), (15, 46432), (16, 46495), (17, 46537), (19, 46558), (22, 46588), (23, 46600),

Gene: Vine_72 Start: 46824, Stop: 47120, Start Num: 9
Candidate Starts for Vine_72:
(4, 46716), (8, 46767), (Start: 9 @46824 has 15 MA's), (12, 46869), (14, 46914), (15, 46926), (16, 46989), (17, 47031), (19, 47052), (22, 47082), (23, 47094),

Gene: Yucky_72 Start: 46625, Stop: 46906, Start Num: 9
Candidate Starts for Yucky_72:
(4, 46517), (8, 46568), (Start: 9 @46625 has 15 MA's), (12, 46670), (14, 46715), (15, 46727), (16, 46790), (17, 46832), (19, 46853), (20, 46862),