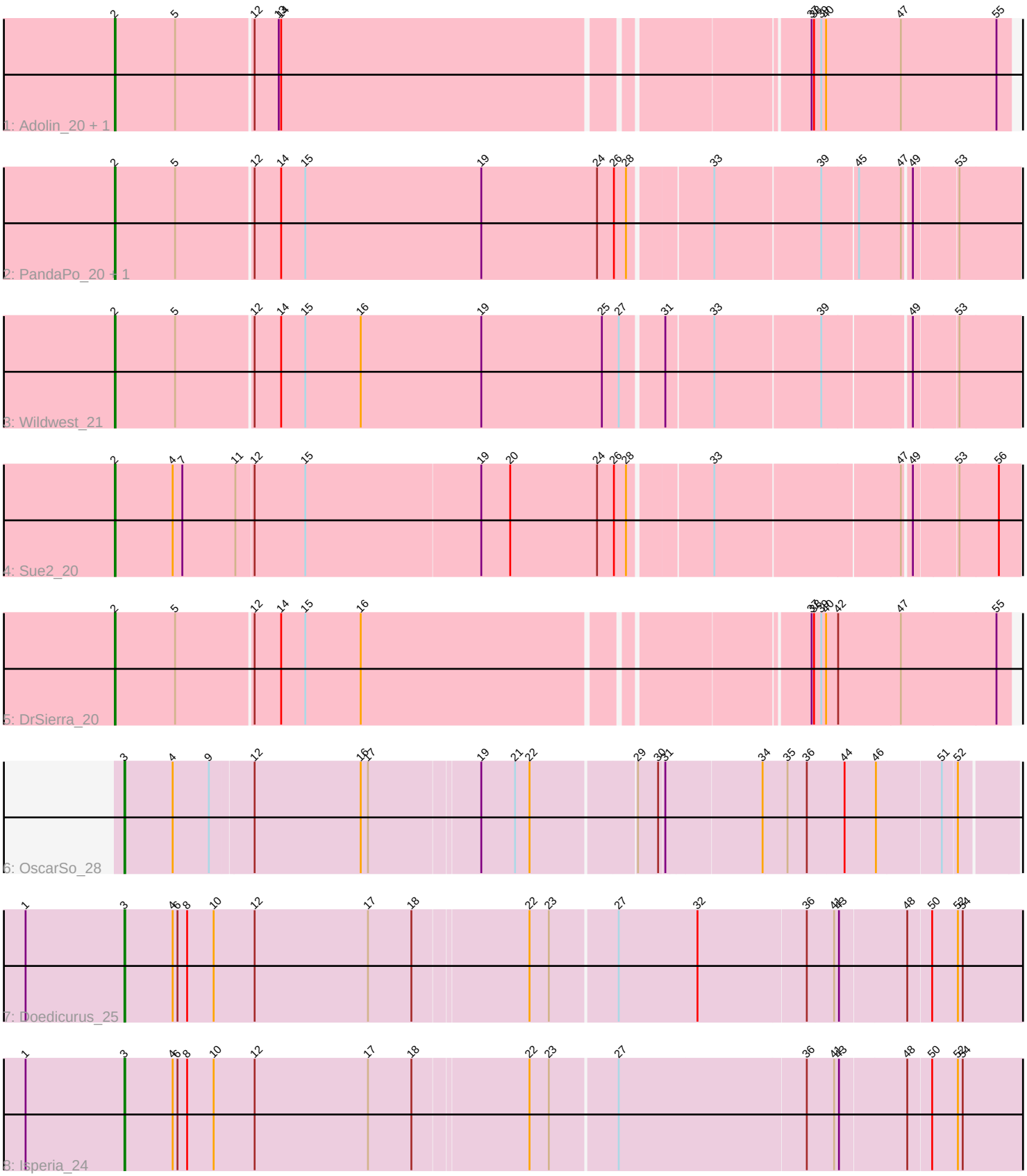
Pham 348245


1: Adolin_20 + 1
2: PandaPo_20 + 1
3: Wildwest_21
4: Sue2_20
5: DrSierra_20
6: OscarSo_28
7: Doedicurus_25
8: Isperia_24

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 348245 Report

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

Pham number 348245 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Adolin_20, DrManhattan_20
• Track 2 : PandaPo_20, MissSwiss_20
• Track 3 : Wildwest_21
• Track 4 : Sue2_20
• Track 5 : DrSierra_20
• Track 6 : OscarSo_28
• Track 7 : Doedicurus_25
• Track 8 : Isperia_24

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_20, DrManhattan_20, DrSierra_20, MissSwiss_20, PandaPo_20, Sue2_20, Wildwest_21,

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

Genes that do not have the "Most Annotated" start:
• Doedicurus_25, Isperia_24, OscarSo_28,

Summary by start number:

Start 2:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_20 (AZ1), DrManhattan_20 (AZ1), DrSierra_20 (AZ1), MissSwiss_20 (AZ1), PandaPo_20 (AZ1), Sue2_20 (AZ1), Wildwest_21 (AZ1),

Start 3:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doedicurus_25 (GJ), Isperia_24 (GJ), OscarSo_28 (GJ),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, GJ,

Info for manual annotations of cluster AZ1:
•Start number 2 was manually annotated 6 times for cluster AZ1.

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

Gene Information:

Gene: Adolin_20 Start: 16582, Stop: 17646, Start Num: 2
Candidate Starts for Adolin_20:
(Start: 2 @16582 has 6 MA's), (5, 16657), (12, 16750), (13, 16780), (14, 16783), (37, 17404), (38, 17407), (39, 17416), (40, 17422), (47, 17512), (55, 17629),

Gene: Doedicurus_25 Start: 16852, Stop: 17940, Start Num: 3
Candidate Starts for Doedicurus_25:
(1, 16729), (Start: 3 @16852 has 3 MA's), (4, 16912), (6, 16918), (8, 16930), (10, 16963), (12, 17014), (17, 17155), (18, 17209), (22, 17347), (23, 17371), (27, 17452), (32, 17548), (36, 17680), (41, 17713), (43, 17719), (48, 17797), (50, 17824), (52, 17854), (54, 17860),

Gene: DrManhattan_20 Start: 16572, Stop: 17636, Start Num: 2
Candidate Starts for DrManhattan_20:
(Start: 2 @16572 has 6 MA's), (5, 16647), (12, 16740), (13, 16770), (14, 16773), (37, 17394), (38, 17397), (39, 17406), (40, 17412), (47, 17502), (55, 17619),

Gene: DrSierra_20 Start: 16660, Stop: 17724, Start Num: 2
Candidate Starts for DrSierra_20:
(Start: 2 @16660 has 6 MA's), (5, 16735), (12, 16828), (14, 16861), (15, 16891), (16, 16960), (37, 17482), (38, 17485), (39, 17494), (40, 17500), (42, 17515), (47, 17590), (55, 17707),

Gene: Isperia_24 Start: 16149, Stop: 17237, Start Num: 3
Candidate Starts for Isperia_24:
(1, 16026), (Start: 3 @16149 has 3 MA's), (4, 16209), (6, 16215), (8, 16227), (10, 16260), (12, 16311), (17, 16452), (18, 16506), (22, 16644), (23, 16668), (27, 16749), (36, 16977), (41, 17010), (43, 17016), (48, 17094), (50, 17121), (52, 17151), (54, 17157),

Gene: MissSwiss_20 Start: 16611, Stop: 17693, Start Num: 2
Candidate Starts for MissSwiss_20:
(Start: 2 @16611 has 6 MA's), (5, 16686), (12, 16779), (14, 16812), (15, 16842), (19, 17061), (24, 17205), (26, 17226), (28, 17241), (33, 17337), (39, 17466), (45, 17508), (47, 17559), (49, 17568), (53, 17619),

Gene: OscarSo_28 Start: 18695, Stop: 19750, Start Num: 3
Candidate Starts for OscarSo_28:
(Start: 3 @18695 has 3 MA's), (4, 18755), (9, 18800), (12, 18851), (16, 18983), (17, 18992), (19, 19124), (21, 19166), (22, 19184), (29, 19307), (30, 19331), (31, 19337), (34, 19451), (35, 19481), (36, 19505), (44, 19550), (46, 19589), (51, 19667), (52, 19682),

Gene: PandaPo_20 Start: 16611, Stop: 17693, Start Num: 2
Candidate Starts for PandaPo_20:
(Start: 2 @16611 has 6 MA's), (5, 16686), (12, 16779), (14, 16812), (15, 16842), (19, 17061), (24, 17205), (26, 17226), (28, 17241), (33, 17337), (39, 17466), (45, 17508), (47, 17559), (49, 17568), (53, 17619),

Gene: Sue2_20 Start: 16812, Stop: 17894, Start Num: 2
Candidate Starts for Sue2_20:
(Start: 2 @16812 has 6 MA's), (4, 16884), (7, 16896), (11, 16962), (12, 16983), (15, 17046), (19, 17262), (20, 17298), (24, 17406), (26, 17427), (28, 17442), (33, 17538), (47, 17760), (49, 17769), (53, 17820), (56, 17868),

Gene: Wildwest_21 Start: 17574, Stop: 18656, Start Num: 2
Candidate Starts for Wildwest_21:
(Start: 2 @17574 has 6 MA's), (5, 17649), (12, 17742), (14, 17775), (15, 17805), (16, 17874), (19, 18024), (25, 18174), (27, 18195), (31, 18243), (33, 18300), (39, 18429), (49, 18531), (53, 18582),