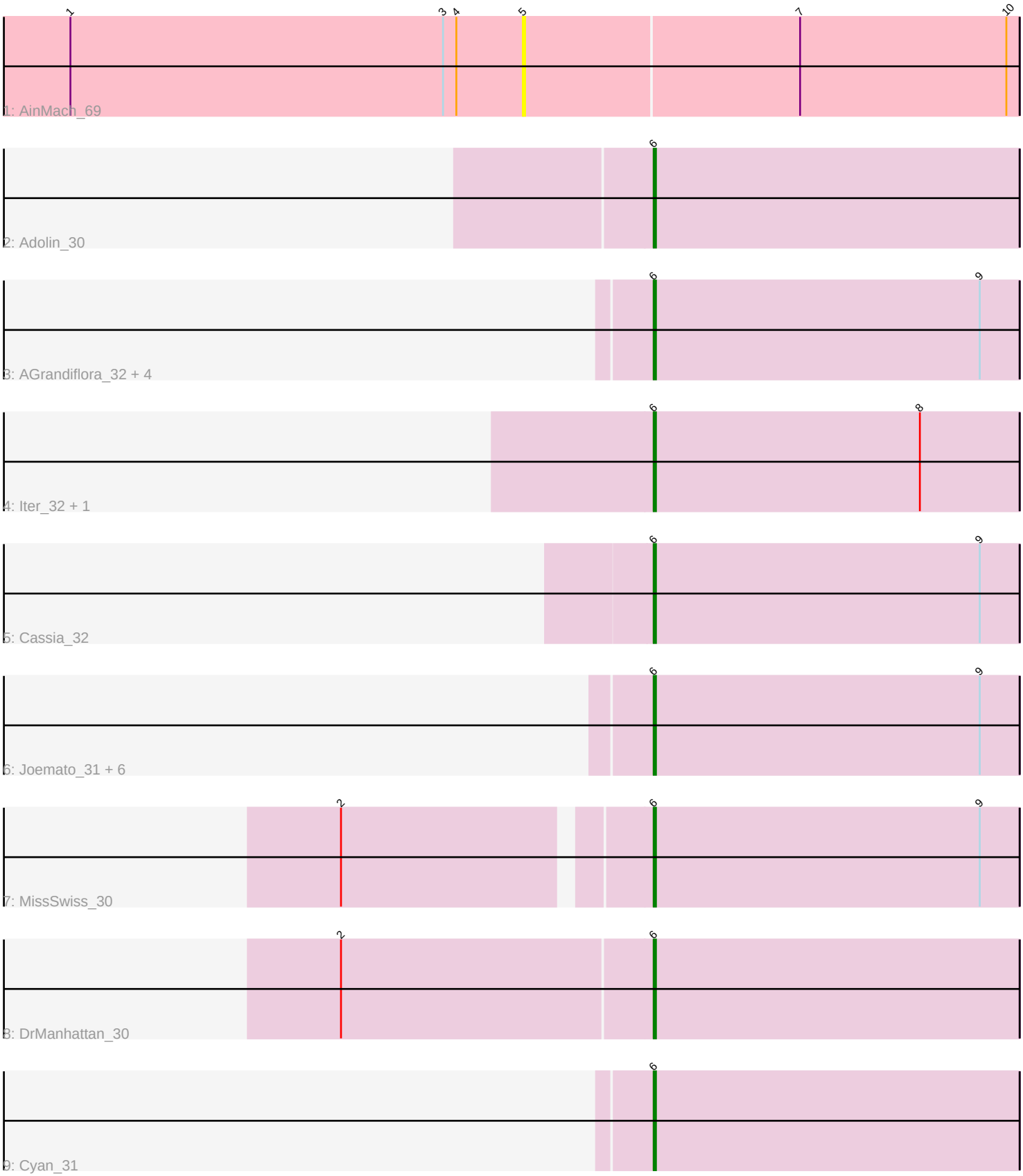
Pham 196853


1
3
4
5
7
10
1: AinMach_69
6
2: Adolin_30
6
9
3: AGrandiflora_32 + 4
6
8
4: Iter_32 + 1
6
9
5: Cassia_32
6
9
6: Joemato_31 + 6
2
6
9
7: MissSwiss_30
2
6
8: DrManhattan_30
6
9: Cyan_31

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 196853 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196853 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AinMach_69
• Track 2 : Adolin_30
• Track 3 : AGrandiflora_32, JohnDoe_31, Kaylissa_31, Tutumahutu_31, Lego_31
• Track 4 : Iter_32, Ascela_32
• Track 5 : Cassia_32
• Track 6 : Joemato_31, Powerpuff_33, ObiToo_34, Warda_31, Crewmate_35, YesChef_31, Simpson_33
• Track 7 : MissSwiss_30
• Track 8 : DrManhattan_30
• Track 9 : Cyan_31

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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AGrandiflora_32, Adolin_30, Ascela_32, Cassia_32, Crewmate_35, Cyan_31, DrManhattan_30, Iter_32, Joemato_31, JohnDoe_31, Kaylissa_31, Lego_31, MissSwiss_30, ObiToo_34, Powerpuff_33, Simpson_33, Tutumahutu_31, Warda_31, YesChef_31,

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

Genes that do not have the "Most Annotated" start:
• AinMach_69,

Summary by start number:

Start 5:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AinMach_69 (AZ),

Start 6:
• Found in 19 of 20 (95.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_32 (AZ1), Adolin_30 (AZ1), Ascela_32 (AZ1), Cassia_32 (AZ1), Crewmate_35 (AZ1), Cyan_31 (AZ1), DrManhattan_30 (AZ1), Iter_32 (AZ1), Joemato_31 (AZ1), JohnDoe_31 (AZ1), Kaylissa_31 (AZ1), Lego_31 (AZ1), MissSwiss_30 (AZ1), ObiToo_34 (AZ1), Powerpuff_33 (AZ1), Simpson_33 (AZ1), Tutumahutu_31 (AZ1), Warda_31 (AZ1), YesChef_31 (AZ1),

Summary by clusters:

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

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 17 times for cluster AZ1.

Gene Information:

Gene: AGrandiflora_32 Start: 24069, Stop: 24233, Start Num: 6
Candidate Starts for AGrandiflora_32:
(Start: 6 @24069 has 17 MA's), (9, 24216),

Gene: Adolin_30 Start: 22510, Stop: 22674, Start Num: 6
Candidate Starts for Adolin_30:
(Start: 6 @22510 has 17 MA's),

Gene: AinMach_69 Start: 42250, Stop: 42471, Start Num: 5
Candidate Starts for AinMach_69:
(1, 42046), (3, 42214), (4, 42220), (5, 42250), (7, 42373), (10, 42466),

Gene: Ascela_32 Start: 24227, Stop: 24391, Start Num: 6
Candidate Starts for Ascela_32:
(Start: 6 @24227 has 17 MA's), (8, 24347),

Gene: Cassia_32 Start: 24675, Stop: 24839, Start Num: 6
Candidate Starts for Cassia_32:
(Start: 6 @24675 has 17 MA's), (9, 24822),

Gene: Crewmate_35 Start: 24939, Stop: 25103, Start Num: 6
Candidate Starts for Crewmate_35:
(Start: 6 @24939 has 17 MA's), (9, 25086),

Gene: Cyan_31 Start: 24152, Stop: 24316, Start Num: 6
Candidate Starts for Cyan_31:
(Start: 6 @24152 has 17 MA's),

Gene: DrManhattan_30 Start: 22500, Stop: 22664, Start Num: 6
Candidate Starts for DrManhattan_30:
(2, 22365), (Start: 6 @22500 has 17 MA's),

Gene: Iter_32 Start: 24226, Stop: 24390, Start Num: 6
Candidate Starts for Iter_32:
(Start: 6 @24226 has 17 MA's), (8, 24346),

Gene: Joemato_31 Start: 24155, Stop: 24319, Start Num: 6
Candidate Starts for Joemato_31:
(Start: 6 @24155 has 17 MA's), (9, 24302),

Gene: JohnDoe_31 Start: 24146, Stop: 24310, Start Num: 6
Candidate Starts for JohnDoe_31:
(Start: 6 @24146 has 17 MA's), (9, 24293),

Gene: Kaylissa_31 Start: 24118, Stop: 24282, Start Num: 6
Candidate Starts for Kaylissa_31:
(Start: 6 @24118 has 17 MA's), (9, 24265),

Gene: Lego_31 Start: 24072, Stop: 24236, Start Num: 6
Candidate Starts for Lego_31:
(Start: 6 @24072 has 17 MA's), (9, 24219),

Gene: MissSwiss_30 Start: 22553, Stop: 22717, Start Num: 6
Candidate Starts for MissSwiss_30:
(2, 22427), (Start: 6 @22553 has 17 MA's), (9, 22700),

Gene: ObiToo_34 Start: 24679, Stop: 24843, Start Num: 6
Candidate Starts for ObiToo_34:
(Start: 6 @24679 has 17 MA's), (9, 24826),

Gene: Powerpuff_33 Start: 25267, Stop: 25431, Start Num: 6
Candidate Starts for Powerpuff_33:
(Start: 6 @25267 has 17 MA's), (9, 25414),

Gene: Simpson_33 Start: 24155, Stop: 24319, Start Num: 6
Candidate Starts for Simpson_33:
(Start: 6 @24155 has 17 MA's), (9, 24302),

Gene: Tutumahutu_31 Start: 24122, Stop: 24286, Start Num: 6
Candidate Starts for Tutumahutu_31:
(Start: 6 @24122 has 17 MA's), (9, 24269),

Gene: Warda_31 Start: 24125, Stop: 24289, Start Num: 6
Candidate Starts for Warda_31:
(Start: 6 @24125 has 17 MA's), (9, 24272),

Gene: YesChef_31 Start: 24126, Stop: 24290, Start Num: 6
Candidate Starts for YesChef_31:
(Start: 6 @24126 has 17 MA's), (9, 24273),