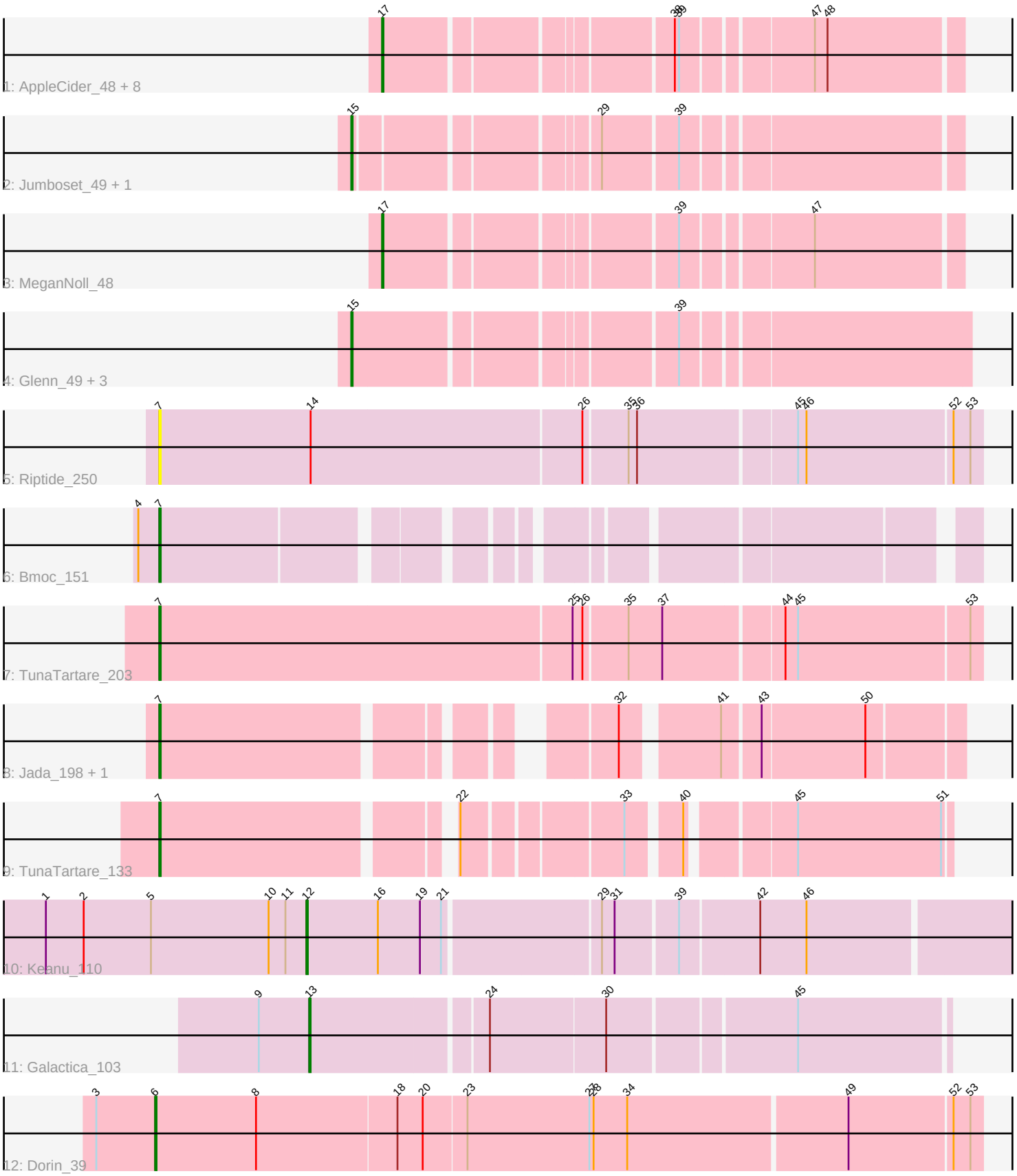
Pham 203249


1: AppleCider_48 + 8
2: Jumboset_49 + 1
3: MeganNoll_48
4: Glenn_49 + 3
5: Riptide_250
6: Bmoc_151
7: TunaTartare_203
8: Jada_198 + 1
9: TunaTartare_133
10: Keanu_110
11: Galactica_103
12: Dorin_39

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 203249 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203249 has 25 members, 1 are drafts.

Phages represented in each track:
• Track 1 : AppleCider_48, Bodacious_46, CristinaYang_46, Nancia_46, Wawa_48, Suppi_48, ChewChew_46, BigMack_46, Canowicakte_48
• Track 2 : Jumboset_49, Pterodactyl_46
• Track 3 : MeganNoll_48
• Track 4 : Glenn_49, PinkFriday_46, Kittykat_49, Wayne_49
• Track 5 : Riptide_250
• Track 6 : Bmoc_151
• Track 7 : TunaTartare_203
• Track 8 : Jada_198, Forrest_200
• Track 9 : TunaTartare_133
• Track 10 : Keanu_110
• Track 11 : Galactica_103
• Track 12 : Dorin_39

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

The start number called the most often in the published annotations is 17, it was called in 10 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AppleCider_48, BigMack_46, Bodacious_46, Canowicakte_48, ChewChew_46, CristinaYang_46, MeganNoll_48, Nancia_46, Suppi_48, Wawa_48,

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

Genes that do not have the "Most Annotated" start:
• Bmoc_151, Dorin_39, Forrest_200, Galactica_103, Glenn_49, Jada_198, Jumboset_49, Keanu_110, Kittykat_49, PinkFriday_46, Pterodactyl_46, Riptide_250, TunaTartare_133, TunaTartare_203, Wayne_49,

Summary by start number:

Start 6:

• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_39 (CG),

Start 7:
• Found in 6 of 25 (24.0%) of genes in pham
• Manual Annotations of this start: 5 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bmoc_151 (BE1), Forrest_200 (BK1), Jada_198 (BK1), Riptide_250 (BE1), TunaTartare_133 (BK1), TunaTartare_203 (BK1),

Start 12:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keanu_110 (BQ),

Start 13:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_103 (BQ),

Start 15:
• Found in 6 of 25 (24.0%) of genes in pham
• Manual Annotations of this start: 6 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Glenn_49 (AK), Jumboset_49 (AK), Kittykat_49 (AK), PinkFriday_46 (AK), Pterodactyl_46 (AK), Wayne_49 (AK),

Start 17:
• Found in 10 of 25 (40.0%) of genes in pham
• Manual Annotations of this start: 10 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AppleCider_48 (AK), BigMack_46 (AK), Bodacious_46 (AK), Canowicakte_48 (AK), ChewChew_46 (AK), CristinaYang_46 (AK), MeganNoll_48 (AK), Nancia_46 (AK), Suppi_48 (AK), Wawa_48 (AK),

Summary by clusters:

There are 5 clusters represented in this pham: AK, BE1, CG, BK1, BQ,

Info for manual annotations of cluster AK:
•Start number 15 was manually annotated 6 times for cluster AK.
•Start number 17 was manually annotated 10 times for cluster AK.

Info for manual annotations of cluster BE1:
•Start number 7 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster BQ:
•Start number 12 was manually annotated 1 time for cluster BQ.
•Start number 13 was manually annotated 1 time for cluster BQ.

Info for manual annotations of cluster CG:
•Start number 6 was manually annotated 1 time for cluster CG.

Gene Information:

Gene: AppleCider_48 Start: 35943, Stop: 36317, Start Num: 17
Candidate Starts for AppleCider_48:
(Start: 17 @35943 has 10 MA's), (38, 36129), (39, 36132), (47, 36216), (48, 36225),

Gene: BigMack_46 Start: 34816, Stop: 35190, Start Num: 17
Candidate Starts for BigMack_46:
(Start: 17 @34816 has 10 MA's), (38, 35002), (39, 35005), (47, 35089), (48, 35098),

Gene: Bmoc_151 Start: 88009, Stop: 88512, Start Num: 7
Candidate Starts for Bmoc_151:
(4, 87994), (Start: 7 @88009 has 5 MA's),

Gene: Bodacious_46 Start: 34773, Stop: 35147, Start Num: 17
Candidate Starts for Bodacious_46:
(Start: 17 @34773 has 10 MA's), (38, 34959), (39, 34962), (47, 35046), (48, 35055),

Gene: Canowicakte_48 Start: 35978, Stop: 36352, Start Num: 17
Candidate Starts for Canowicakte_48:
(Start: 17 @35978 has 10 MA's), (38, 36164), (39, 36167), (47, 36251), (48, 36260),

Gene: ChewChew_46 Start: 34904, Stop: 35278, Start Num: 17
Candidate Starts for ChewChew_46:
(Start: 17 @34904 has 10 MA's), (38, 35090), (39, 35093), (47, 35177), (48, 35186),

Gene: CristinaYang_46 Start: 34900, Stop: 35274, Start Num: 17
Candidate Starts for CristinaYang_46:
(Start: 17 @34900 has 10 MA's), (38, 35086), (39, 35089), (47, 35173), (48, 35182),

Gene: Dorin_39 Start: 19049, Stop: 19627, Start Num: 6
Candidate Starts for Dorin_39:
(3, 19007), (Start: 6 @19049 has 1 MA's), (8, 19121), (18, 19220), (20, 19238), (23, 19268), (27, 19355), (28, 19358), (34, 19382), (49, 19535), (52, 19607), (53, 19619),

Gene: Forrest_200 Start: 100263, Stop: 100757, Start Num: 7
Candidate Starts for Forrest_200:
(Start: 7 @100263 has 5 MA's), (32, 100536), (41, 100596), (43, 100620), (50, 100692),

Gene: Galactica_103 Start: 72510, Stop: 72941, Start Num: 13
Candidate Starts for Galactica_103:
(9, 72474), (Start: 13 @72510 has 1 MA's), (24, 72630), (30, 72711), (45, 72837),

Gene: Glenn_49 Start: 36170, Stop: 36574, Start Num: 15
Candidate Starts for Glenn_49:
(Start: 15 @36170 has 6 MA's), (39, 36380),

Gene: Jada_198 Start: 99135, Stop: 99629, Start Num: 7
Candidate Starts for Jada_198:
(Start: 7 @99135 has 5 MA's), (32, 99408), (41, 99468), (43, 99492), (50, 99564),

Gene: Jumboset_49 Start: 36068, Stop: 36457, Start Num: 15
Candidate Starts for Jumboset_49:
(Start: 15 @36068 has 6 MA's), (29, 36221), (39, 36272),

Gene: Keanu_110 Start: 78255, Stop: 78767, Start Num: 12
Candidate Starts for Keanu_110:
(1, 78069), (2, 78096), (5, 78144), (10, 78228), (11, 78240), (Start: 12 @78255 has 1 MA's), (16, 78306), (19, 78336), (21, 78351), (29, 78456), (31, 78465), (39, 78507), (42, 78561), (46, 78594),

Gene: Kittykat_49 Start: 35170, Stop: 35559, Start Num: 15
Candidate Starts for Kittykat_49:
(Start: 15 @35170 has 6 MA's), (39, 35374),

Gene: MeganNoll_48 Start: 36135, Stop: 36509, Start Num: 17
Candidate Starts for MeganNoll_48:
(Start: 17 @36135 has 10 MA's), (39, 36324), (47, 36408),

Gene: Nancia_46 Start: 34773, Stop: 35147, Start Num: 17
Candidate Starts for Nancia_46:
(Start: 17 @34773 has 10 MA's), (38, 34959), (39, 34962), (47, 35046), (48, 35055),

Gene: PinkFriday_46 Start: 35018, Stop: 35407, Start Num: 15
Candidate Starts for PinkFriday_46:
(Start: 15 @35018 has 6 MA's), (39, 35222),

Gene: Pterodactyl_46 Start: 34733, Stop: 35122, Start Num: 15
Candidate Starts for Pterodactyl_46:
(Start: 15 @34733 has 6 MA's), (29, 34886), (39, 34937),

Gene: Riptide_250 Start: 118061, Stop: 118630, Start Num: 7
Candidate Starts for Riptide_250:
(Start: 7 @118061 has 5 MA's), (14, 118169), (26, 118358), (35, 118388), (36, 118394), (45, 118502), (46, 118508), (52, 118610), (53, 118622),

Gene: Suppi_48 Start: 35978, Stop: 36352, Start Num: 17
Candidate Starts for Suppi_48:
(Start: 17 @35978 has 10 MA's), (38, 36164), (39, 36167), (47, 36251), (48, 36260),

Gene: TunaTartare_203 Start: 105397, Stop: 105966, Start Num: 7
Candidate Starts for TunaTartare_203:
(Start: 7 @105397 has 5 MA's), (25, 105688), (26, 105694), (35, 105724), (37, 105748), (44, 105829), (45, 105838), (53, 105958),

Gene: TunaTartare_133 Start: 80340, Stop: 80837, Start Num: 7
Candidate Starts for TunaTartare_133:

(Start: 7 @80340 has 5 MA's), (22, 80529), (33, 80631), (40, 80664), (45, 80730), (51, 80832),

Gene: Wawa_48 Start: 35937, Stop: 36311, Start Num: 17
Candidate Starts for Wawa_48:
(Start: 17 @35937 has 10 MA's), (38, 36123), (39, 36126), (47, 36210), (48, 36219),

Gene: Wayne_49 Start: 36024, Stop: 36443, Start Num: 15
Candidate Starts for Wayne_49:
(Start: 15 @36024 has 6 MA's), (39, 36234),