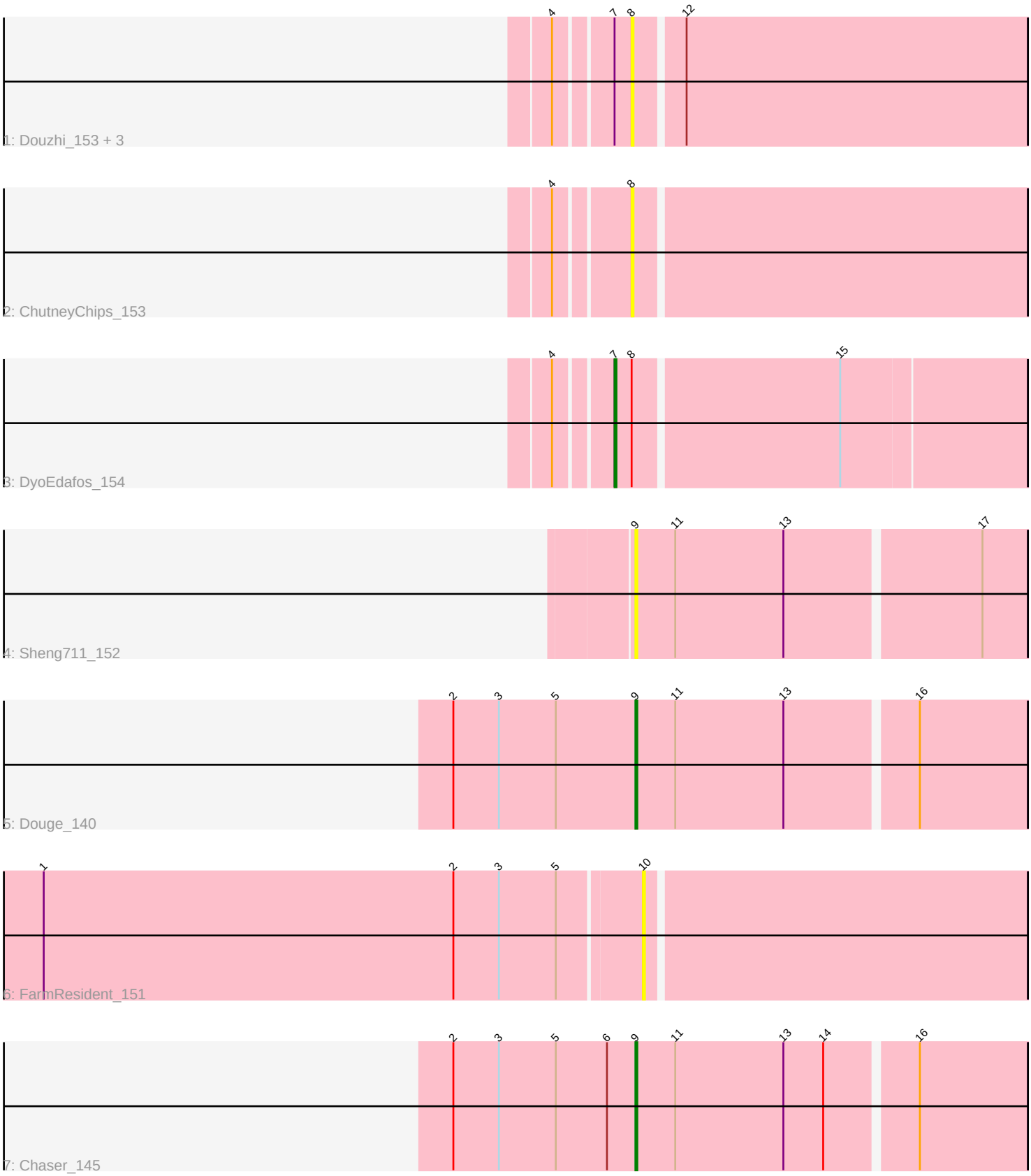
Pham 281136


4
7
8
12
1: Douzhi_153 + 3
4
8
2: ChutneyChips_153
4
7
8
15
3: DyoEdafos_154
9
11
13
17
4: Sheng711_152
2
3
5
9
11
13
16
5: Douge_140
1
2
3
5
10
6: FarmResident_151
2
3
5
6
9
11
13
14
16
7: Chaser_145

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 281136 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281136 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Douzhi_153, PYPDinur_152, Quby_153, BrainDrainer_153
• Track 2 : ChutneyChips_153
• Track 3 : DyoEdafos_154
• Track 4 : Sheng711_152
• Track 5 : Douge_140
• Track 6 : FarmResident_151
• Track 7 : Chaser_145

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chaser_145, Douge_140, Sheng711_152,

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

Genes that do not have the "Most Annotated" start:
• BrainDrainer_153, ChutneyChips_153, Douzhi_153, DyoEdafos_154, FarmResident_151, PYPDinur_152, Quby_153,

Summary by start number:

Start 7:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 20.0% of time when present
• Phage (with cluster) where this start called: DyoEdafos_154 (L4),

Start 8:
• Found in 6 of 10 (60.0%) of genes in pham
• No Manual Annotations of this start.

• Called 83.3% of time when present
• Phage (with cluster) where this start called: BrainDrainer_153 (L4), ChutneyChips_153 (L4), Douzhi_153 (L4), PYPDinur_152 (L4), Quby_153 (L4),

Start 9:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chaser_145 (L4), Douge_140 (L4), Sheng711_152 (L4),

Start 10:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FarmResident_151 (L4),

Summary by clusters:

There is one cluster represented in this pham: L4

Info for manual annotations of cluster L4:
•Start number 7 was manually annotated 1 time for cluster L4.
•Start number 9 was manually annotated 2 times for cluster L4.

Gene Information:

Gene: BrainDrainer_153 Start: 76122, Stop: 75919, Start Num: 8
Candidate Starts for BrainDrainer_153:
(4, 76158), (Start: 7 @76131 has 1 MA's), (8, 76122), (12, 76098),

Gene: Chaser_145 Start: 74832, Stop: 74632, Start Num: 9
Candidate Starts for Chaser_145:
(2, 74928), (3, 74904), (5, 74874), (6, 74847), (Start: 9 @74832 has 2 MA's), (11, 74811), (13, 74754), (14, 74733), (16, 74688),

Gene: ChutneyChips_153 Start: 75965, Stop: 75762, Start Num: 8
Candidate Starts for ChutneyChips_153:
(4, 76001), (8, 75965),

Gene: Douge_140 Start: 72692, Stop: 72492, Start Num: 9
Candidate Starts for Douge_140:
(2, 72788), (3, 72764), (5, 72734), (Start: 9 @72692 has 2 MA's), (11, 72671), (13, 72614), (16, 72548),

Gene: Douzhi_153 Start: 76288, Stop: 76085, Start Num: 8
Candidate Starts for Douzhi_153:
(4, 76324), (Start: 7 @76297 has 1 MA's), (8, 76288), (12, 76264),

Gene: DyoEdafos_154 Start: 75964, Stop: 75755, Start Num: 7
Candidate Starts for DyoEdafos_154:
(4, 75991), (Start: 7 @75964 has 1 MA's), (8, 75955), (15, 75850),

Gene: FarmResident_151 Start: 75661, Stop: 75464, Start Num: 10
Candidate Starts for FarmResident_151:
(1, 75973), (2, 75757), (3, 75733), (5, 75703), (10, 75661),

Gene: PYPDinur_152 Start: 76129, Stop: 75926, Start Num: 8
Candidate Starts for PYPDinur_152:
(4, 76165), (Start: 7 @76138 has 1 MA's), (8, 76129), (12, 76105),

Gene: Quby_153 Start: 75991, Stop: 75788, Start Num: 8
Candidate Starts for Quby_153:
(4, 76027), (Start: 7 @76000 has 1 MA's), (8, 75991), (12, 75967),

Gene: Sheng711_152 Start: 75494, Stop: 75294, Start Num: 9
Candidate Starts for Sheng711_152:
(Start: 9 @75494 has 2 MA's), (11, 75473), (13, 75416), (17, 75317),