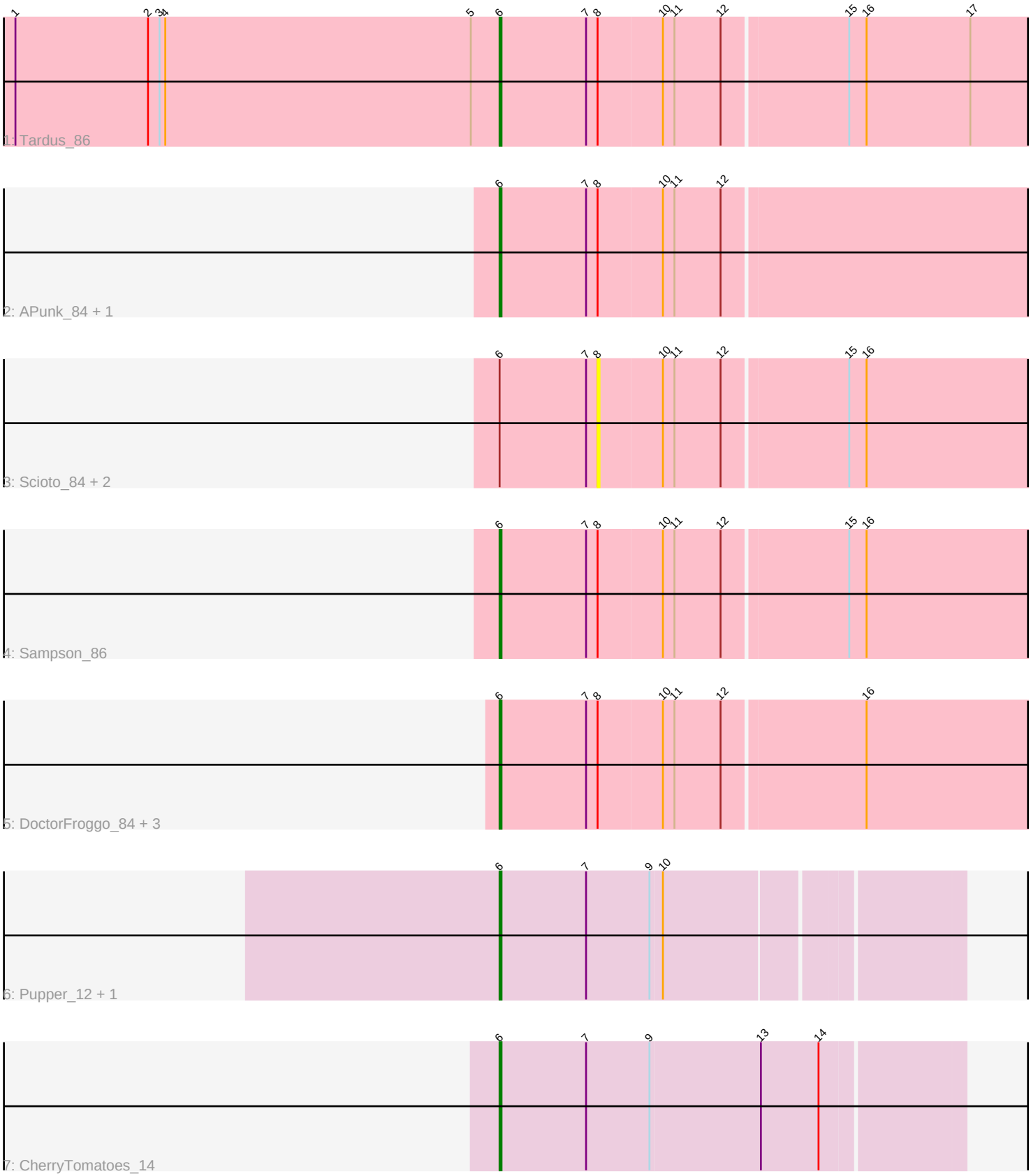
Pham 200737


1
2
3
4
5
6
7
8
10
11
12
15
16
17
1: Tardus_86
6
7
8
10
11
12
2: APunk_84 + 1
6
7
8
10
11
12
15
16
3: Scioto_84 + 2
6
7
8
10
11
12
15
16
4: Sampson_86
6
7
8
10
11
12
16
5: DoctorFroggo_84 + 3
6
7
9
10
6: Pupper_12 + 1
6
7
9
13
14
7: CherryTomatoes_14

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 200737 Report

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

Pham number 200737 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Tardus_86
• Track 2 : APunk_84, Zitch_86
• Track 3 : Scioto_84, Abblin_84, Natkenzie_84
• Track 4 : Sampson_86
• Track 5 : DoctorFroggo_84, Verity_83, Delrey21_84, Zipp_84
• Track 6 : Pupper_12, SCentae_12
• Track 7 : CherryTomatoes_14

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_84, CherryTomatoes_14, Delrey21_84, DoctorFroggo_84, Pupper_12, SCentae_12, Sampson_86, Tardus_86, Verity_83, Zipp_84, Zitch_86,

Genes that have the "Most Annotated" start but do not call it:
• Abblin_84, Natkenzie_84, Scioto_84,

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

Summary by start number:

Start 6:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 78.6% of time when present
• Phage (with cluster) where this start called: APunk_84 (DE4), CherryTomatoes_14 (DO), Delrey21_84 (DE4), DoctorFroggo_84 (DE4), Pupper_12 (DO), SCentae_12 (DO), Sampson_86 (DE4), Tardus_86 (DE4), Verity_83 (DE4), Zipp_84 (DE4), Zitch_86 (DE4),

Start 8:
• Found in 11 of 14 (78.6%) of genes in pham
• No Manual Annotations of this start.
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Abblin_84 (DE4), Natkenzie_84 (DE4), Scioto_84 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DO, DE4,

Info for manual annotations of cluster DE4:
•Start number 6 was manually annotated 8 times for cluster DE4.

Info for manual annotations of cluster DO:
•Start number 6 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: APunk_84 Start: 57342, Stop: 57623, Start Num: 6
Candidate Starts for APunk_84:
(Start: 6 @57342 has 11 MA's), (7, 57387), (8, 57393), (10, 57426), (11, 57432), (12, 57456),

Gene: Abblin_84 Start: 57551, Stop: 57781, Start Num: 8
Candidate Starts for Abblin_84:
(Start: 6 @57500 has 11 MA's), (7, 57545), (8, 57551), (10, 57584), (11, 57590), (12, 57614), (15, 57677), (16, 57686),

Gene: CherryTomatoes_14 Start: 4328, Stop: 4564, Start Num: 6
Candidate Starts for CherryTomatoes_14:
(Start: 6 @4328 has 11 MA's), (7, 4373), (9, 4406), (13, 4463), (14, 4493),

Gene: Delrey21_84 Start: 58911, Stop: 59192, Start Num: 6
Candidate Starts for Delrey21_84:
(Start: 6 @58911 has 11 MA's), (7, 58956), (8, 58962), (10, 58995), (11, 59001), (12, 59025), (16, 59097),

Gene: DoctorFroggo_84 Start: 58911, Stop: 59192, Start Num: 6
Candidate Starts for DoctorFroggo_84:
(Start: 6 @58911 has 11 MA's), (7, 58956), (8, 58962), (10, 58995), (11, 59001), (12, 59025), (16, 59097),

Gene: Natkenzie_84 Start: 57551, Stop: 57781, Start Num: 8
Candidate Starts for Natkenzie_84:
(Start: 6 @57500 has 11 MA's), (7, 57545), (8, 57551), (10, 57584), (11, 57590), (12, 57614), (15, 57677), (16, 57686),

Gene: Pupper_12 Start: 4107, Stop: 4337, Start Num: 6
Candidate Starts for Pupper_12:
(Start: 6 @4107 has 11 MA's), (7, 4152), (9, 4185), (10, 4191),

Gene: SCentae_12 Start: 4106, Stop: 4336, Start Num: 6
Candidate Starts for SCentae_12:
(Start: 6 @4106 has 11 MA's), (7, 4151), (9, 4184), (10, 4190),

Gene: Sampson_86 Start: 57651, Stop: 57932, Start Num: 6
Candidate Starts for Sampson_86:
(Start: 6 @57651 has 11 MA's), (7, 57696), (8, 57702), (10, 57735), (11, 57741), (12, 57765), (15, 57828), (16, 57837),

Gene: Scioto_84 Start: 57552, Stop: 57782, Start Num: 8
Candidate Starts for Scioto_84:
(Start: 6 @57501 has 11 MA's), (7, 57546), (8, 57552), (10, 57585), (11, 57591), (12, 57615), (15, 57678), (16, 57687),

Gene: Tardus_86 Start: 57993, Stop: 58274, Start Num: 6
Candidate Starts for Tardus_86:
(1, 57741), (2, 57810), (3, 57816), (4, 57819), (5, 57978), (Start: 6 @57993 has 11 MA's), (7, 58038), (8, 58044), (10, 58077), (11, 58083), (12, 58107), (15, 58170), (16, 58179), (17, 58233),

Gene: Verity_83 Start: 58773, Stop: 59054, Start Num: 6
Candidate Starts for Verity_83:
(Start: 6 @58773 has 11 MA's), (7, 58818), (8, 58824), (10, 58857), (11, 58863), (12, 58887), (16, 58959),

Gene: Zipp_84 Start: 58654, Stop: 58935, Start Num: 6
Candidate Starts for Zipp_84:
(Start: 6 @58654 has 11 MA's), (7, 58699), (8, 58705), (10, 58738), (11, 58744), (12, 58768), (16, 58840),

Gene: Zitch_86 Start: 56966, Stop: 57247, Start Num: 6
Candidate Starts for Zitch_86:
(Start: 6 @56966 has 11 MA's), (7, 57011), (8, 57017), (10, 57050), (11, 57056), (12, 57080),