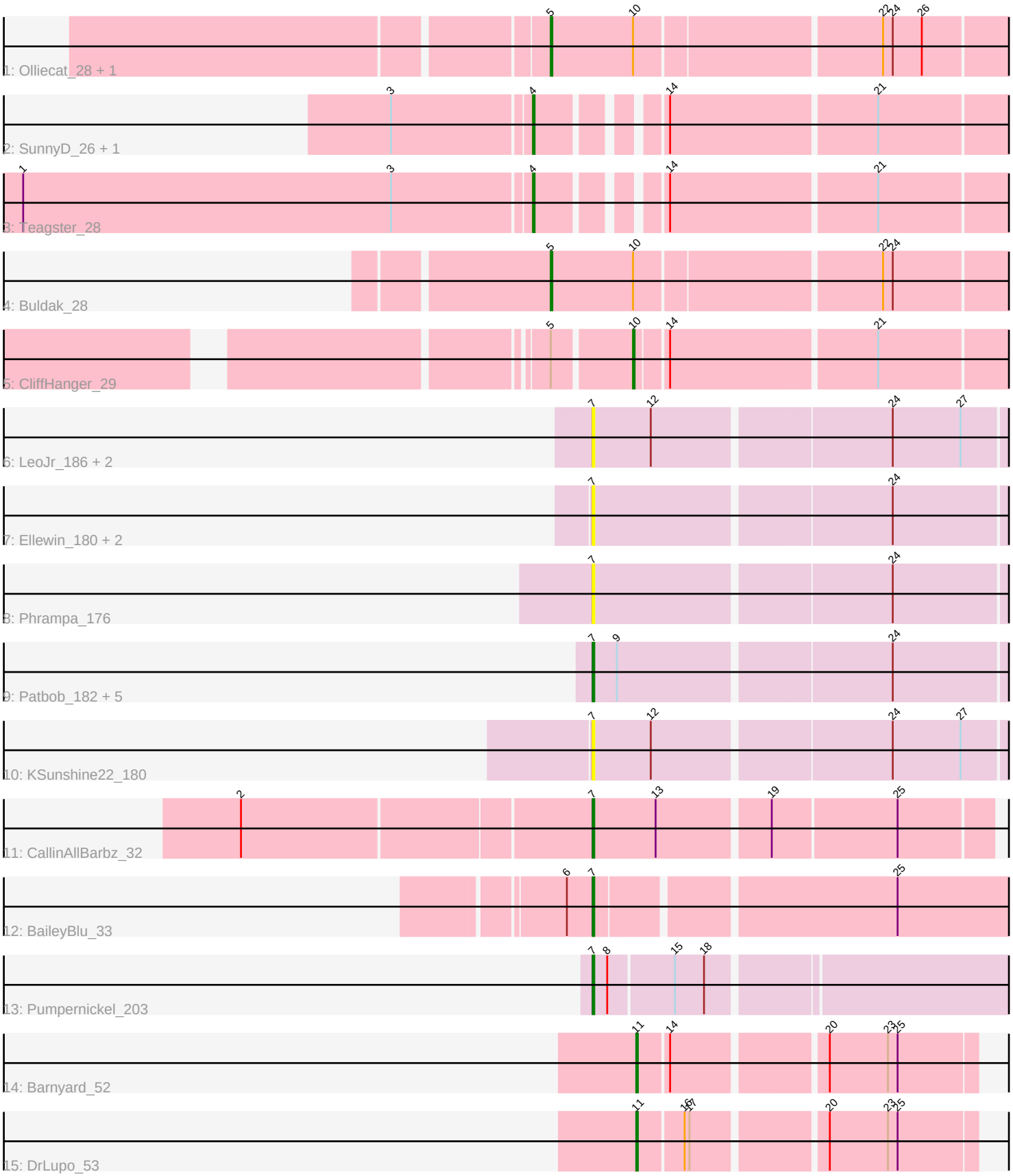
Pham 203237


1: Olliecat_28 + 1
2: SunnyD_26 + 1
3: Teagster_28
4: Buldak_28
5: CliffHanger_29
6: LeoJr_186 + 2
7: Ellewin_180 + 2
8: Phrampa_176
9: Patbob_182 + 5
10: KSunshine22_180
11: CallinAllBarbz_32
12: BaileyBlu_33
13: Pumpernickel_203
14: Barnyard_52
15: DrLupo_53

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 203237 Report

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

Pham number 203237 has 26 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Olliecat_28, Squircle_28
• Track 2 : SunnyD_26, Shayna_26
• Track 3 : Teagster_28
• Track 4 : Buldak_28
• Track 5 : CliffHanger_29
• Track 6 : LeoJr_186, Atuin_183, ReginaGlobina_190
• Track 7 : Ellewin_180, WaddleDee_180, DunneganBoMo_181
• Track 8 : Phrampa_176
• Track 9 : Patbob_182, Bloom_187, Racecar_184, Mimi_189, GoldenEssence_171, Talia1610_184
• Track 10 : KSunshine22_180
• Track 11 : CallinAllBarbz_32
• Track 12 : BaileyBlu_33
• Track 13 : Pumpernickel_203
• Track 14 : Barnyard_52
• Track 15 : DrLupo_53

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_183, BaileyBlu_33, Bloom_187, CallinAllBarbz_32, DunneganBoMo_181, Ellewin_180, GoldenEssence_171, KSunshine22_180, LeoJr_186, Mimi_189, Patbob_182, Phrampa_176, Pumpernickel_203, Racecar_184, ReginaGlobina_190, Talia1610_184, WaddleDee_180,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Barnyard_52, Buldak_28, CliffHanger_29, DrLupo_53, Olliecat_28, Shayna_26, Squircle_28, SunnyD_26, Teagster_28,

Summary by start number:

Start 4:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shayna_26 (EB), SunnyD_26 (EB), Teagster_28 (EB),

Start 5:
• Found in 4 of 26 (15.4%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Buldak_28 (EB), Olliecat_28 (EB), Squircle_28 (EB),

Start 7:
• Found in 17 of 26 (65.4%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_183 (FC), BaileyBlu_33 (FP), Bloom_187 (FC), CallinAllBarbz_32 (FP), DunneganBoMo_181 (FC), Ellewin_180 (FC), GoldenEssence_171 (FC), KSunshine22_180 (FC), LeoJr_186 (FC), Mimi_189 (FC), Patbob_182 (FC), Phrampa_176 (FC), Pumpernickel_203 (GD4), Racecar_184 (FC), ReginaGlobina_190 (FC), Talia1610_184 (FC), WaddleDee_180 (FC),

Start 10:
• Found in 4 of 26 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 25.0% of time when present
• Phage (with cluster) where this start called: CliffHanger_29 (EB),

Start 11:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnyard_52 (H2), DrLupo_53 (H2),

Summary by clusters:

There are 5 clusters represented in this pham: H2, FP, FC, GD4, EB,

Info for manual annotations of cluster EB:
•Start number 4 was manually annotated 3 times for cluster EB.
•Start number 5 was manually annotated 3 times for cluster EB.
•Start number 10 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FP:
•Start number 7 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster GD4:
•Start number 7 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster H2:
•Start number 11 was manually annotated 2 times for cluster H2.

Gene Information:

Gene: Atuin_183 Start: 122575, Stop: 122829, Start Num: 7
Candidate Starts for Atuin_183:
(Start: 7 @122575 has 5 MA's), (12, 122611), (24, 122752), (27, 122794),

Gene: BaileyBlu_33 Start: 24089, Stop: 24334, Start Num: 7
Candidate Starts for BaileyBlu_33:
(6, 24074), (Start: 7 @24089 has 5 MA's), (25, 24263),

Gene: Barnyard_52 Start: 39091, Stop: 39285, Start Num: 11
Candidate Starts for Barnyard_52:
(Start: 11 @39091 has 2 MA's), (14, 39109), (20, 39196), (23, 39232), (25, 39238),

Gene: Bloom_187 Start: 122149, Stop: 122403, Start Num: 7
Candidate Starts for Bloom_187:
(Start: 7 @122149 has 5 MA's), (9, 122164), (24, 122326),

Gene: Buldak_28 Start: 20601, Stop: 20870, Start Num: 5
Candidate Starts for Buldak_28:
(Start: 5 @20601 has 3 MA's), (Start: 10 @20652 has 1 MA's), (22, 20796), (24, 20802),

Gene: CallinAllBarbz_32 Start: 24070, Stop: 24306, Start Num: 7
Candidate Starts for CallinAllBarbz_32:
(2, 23860), (Start: 7 @24070 has 5 MA's), (13, 24109), (19, 24175), (25, 24250),

Gene: CliffHanger_29 Start: 20337, Stop: 20555, Start Num: 10
Candidate Starts for CliffHanger_29:
(Start: 5 @20292 has 3 MA's), (Start: 10 @20337 has 1 MA's), (14, 20355), (21, 20478),

Gene: DrLupo_53 Start: 39502, Stop: 39696, Start Num: 11
Candidate Starts for DrLupo_53:
(Start: 11 @39502 has 2 MA's), (16, 39529), (17, 39532), (20, 39607), (23, 39643), (25, 39649),

Gene: DunneganBoMo_181 Start: 119214, Stop: 119468, Start Num: 7
Candidate Starts for DunneganBoMo_181:
(Start: 7 @119214 has 5 MA's), (24, 119391),

Gene: Ellewin_180 Start: 119388, Stop: 119642, Start Num: 7
Candidate Starts for Ellewin_180:
(Start: 7 @119388 has 5 MA's), (24, 119565),

Gene: GoldenEssence_171 Start: 115722, Stop: 115976, Start Num: 7
Candidate Starts for GoldenEssence_171:

(Start: 7 @115722 has 5 MA's), (9, 115737), (24, 115899),

Gene: KSunshine22_180 Start: 121028, Stop: 121282, Start Num: 7
Candidate Starts for KSunshine22_180:
(Start: 7 @121028 has 5 MA's), (12, 121064), (24, 121205), (27, 121247),

Gene: LeoJr_186 Start: 123129, Stop: 123383, Start Num: 7
Candidate Starts for LeoJr_186:
(Start: 7 @123129 has 5 MA's), (12, 123165), (24, 123306), (27, 123348),

Gene: Mimi_189 Start: 121776, Stop: 122030, Start Num: 7
Candidate Starts for Mimi_189:
(Start: 7 @121776 has 5 MA's), (9, 121791), (24, 121953),

Gene: Olliecat_28 Start: 20581, Stop: 20850, Start Num: 5
Candidate Starts for Olliecat_28:
(Start: 5 @20581 has 3 MA's), (Start: 10 @20632 has 1 MA's), (22, 20776), (24, 20782), (26, 20800),

Gene: Patbob_182 Start: 122338, Stop: 122592, Start Num: 7
Candidate Starts for Patbob_182:
(Start: 7 @122338 has 5 MA's), (9, 122353), (24, 122515),

Gene: Phrampa_176 Start: 123930, Stop: 124184, Start Num: 7
Candidate Starts for Phrampa_176:
(Start: 7 @123930 has 5 MA's), (24, 124107),

Gene: Pumpernickel_203 Start: 117028, Stop: 116777, Start Num: 7
Candidate Starts for Pumpernickel_203:
(Start: 7 @117028 has 5 MA's), (8, 117019), (15, 116980), (18, 116962),

Gene: Racecar_184 Start: 122742, Stop: 122996, Start Num: 7
Candidate Starts for Racecar_184:
(Start: 7 @122742 has 5 MA's), (9, 122757), (24, 122919),

Gene: ReginaGlobina_190 Start: 124398, Stop: 124652, Start Num: 7
Candidate Starts for ReginaGlobina_190:
(Start: 7 @124398 has 5 MA's), (12, 124434), (24, 124575), (27, 124617),

Gene: Shayna_26 Start: 20524, Stop: 20787, Start Num: 4
Candidate Starts for Shayna_26:
(3, 20443), (Start: 4 @20524 has 3 MA's), (14, 20587), (21, 20710),

Gene: Squircle_28 Start: 20580, Stop: 20849, Start Num: 5
Candidate Starts for Squircle_28:
(Start: 5 @20580 has 3 MA's), (Start: 10 @20631 has 1 MA's), (22, 20775), (24, 20781), (26, 20799),

Gene: SunnyD_26 Start: 20566, Stop: 20829, Start Num: 4
Candidate Starts for SunnyD_26:
(3, 20485), (Start: 4 @20566 has 3 MA's), (14, 20629), (21, 20752),

Gene: Talia1610_184 Start: 122159, Stop: 122413, Start Num: 7
Candidate Starts for Talia1610_184:
(Start: 7 @122159 has 5 MA's), (9, 122174), (24, 122336),

Gene: Teagster_28 Start: 21485, Stop: 21748, Start Num: 4
Candidate Starts for Teagster_28:
(1, 21176), (3, 21404), (Start: 4 @21485 has 3 MA's), (14, 21548), (21, 21671),

Gene: WaddleDee_180 Start: 118487, Stop: 118741, Start Num: 7
Candidate Starts for WaddleDee_180:
(Start: 7 @118487 has 5 MA's), (24, 118664),