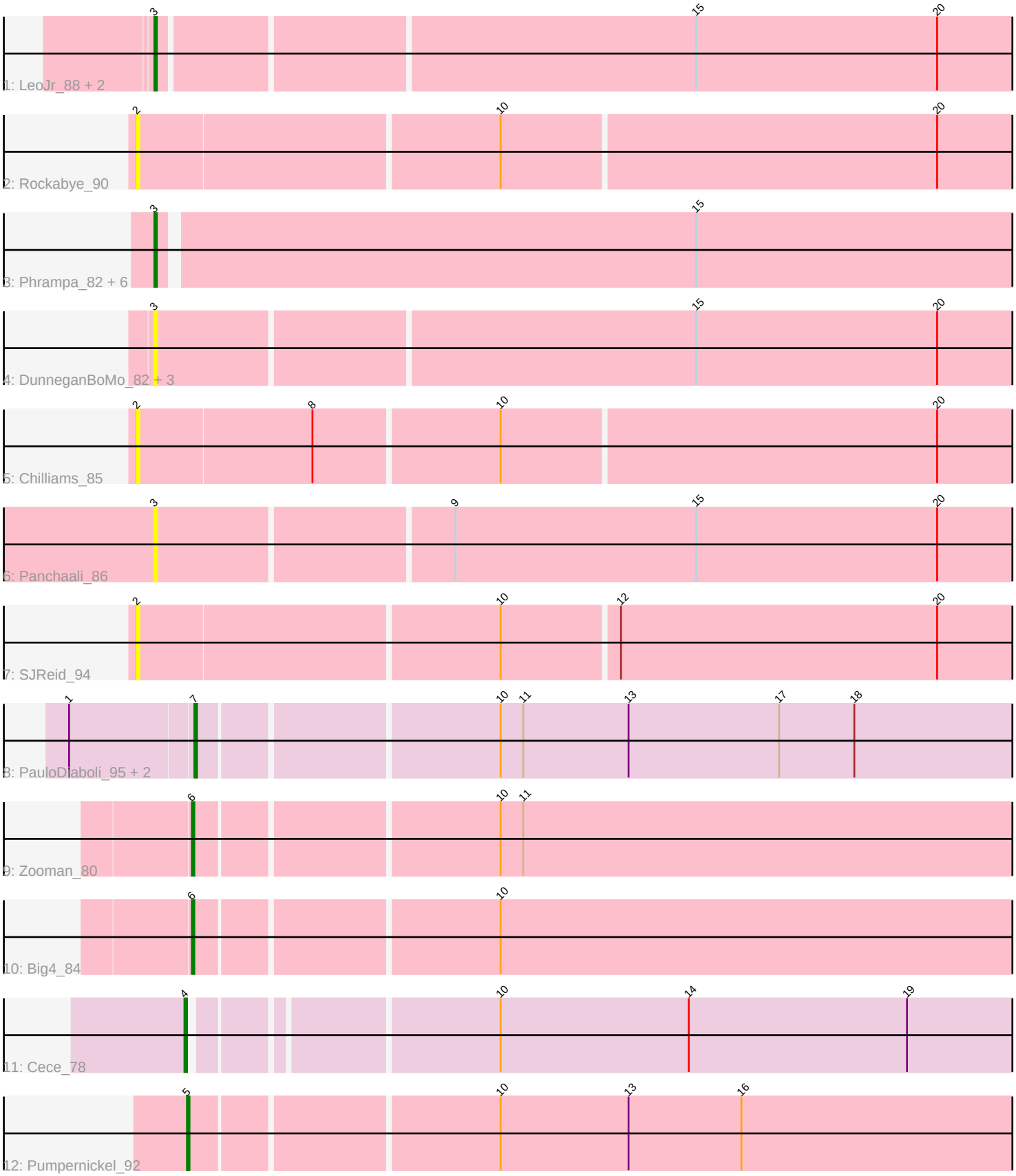
Pham 212912


3
15
20
1: LeoJr_88 + 2
2
10
20
2: Rockabye_90
3
15
3: Phrampa_82 + 6
3
15
20
4: DunneganBoMo_82 + 3
2
8
10
20
5: Chilliams_85
3
9
15
20
6: Panchaali_86
2
10
12
20
7: SJReid_94
1
7
10
11
13
17
18
8: PauloDiaboli_95 + 2
6
10
11
9: Zooman_80
6
10
10: Big4_84
4
10
14
19
11: Cece_78
5
10
13
16
12: Pumpernickel_92

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 212912 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212912 has 25 members, 15 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_88, Atuin_83, ReginaGlobina_88
• Track 2 : Rockabye_90
• Track 3 : Phrampa_82, GoldenEssence_77, Patbob_89, Bloom_92, Racecar_89, Talia1610_88, Mimi_88
• Track 4 : DunneganBoMo_82, Ellewin_80, KSunshine22_83, WaddleDee_82
• Track 5 : Chilliams_85
• Track 6 : Panchaali_86
• Track 7 : SJReid_94
• Track 8 : PauloDiaboli_95, A3Wally_95, Dodo_95
• Track 9 : Zooman_80
• Track 10 : Big4_84
• Track 11 : Cece_78
• Track 12 : Pumpernickel_92

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_83, Bloom_92, DunneganBoMo_82, Ellewin_80, GoldenEssence_77, KSunshine22_83, LeoJr_88, Mimi_88, Panchaali_86, Patbob_89, Phrampa_82, Racecar_89, ReginaGlobina_88, Talia1610_88, WaddleDee_82,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_95, Big4_84, Cece_78, Chilliams_85, Dodo_95, PauloDiaboli_95, Pumpernickel_92, Rockabye_90, SJReid_94, Zooman_80,

Summary by start number:

Start 2:

• Found in 3 of 25 (12.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_85 (FC), Rockabye_90 (FC), SJReid_94 (FC),

Start 3:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_83 (FC), Bloom_92 (FC), DunneganBoMo_82 (FC), Ellewin_80 (FC), GoldenEssence_77 (FC), KSunshine22_83 (FC), LeoJr_88 (FC), Mimi_88 (FC), Panchaali_86 (FC), Patbob_89 (FC), Phrampa_82 (FC), Racecar_89 (FC), ReginaGlobina_88 (FC), Talia1610_88 (FC), WaddleDee_82 (FC),

Start 4:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_78 (GD3),

Start 5:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pumpernickel_92 (GD4),

Start 6:
• Found in 2 of 25 (8.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_84 (GD2), Zooman_80 (GD2),

Start 7:
• Found in 3 of 25 (12.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_95 (GD1), Dodo_95 (GD1), PauloDiaboli_95 (GD1),

Summary by clusters:

There are 5 clusters represented in this pham: GD3, GD1, GD2, FC, GD4,

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 4 times for cluster FC.

Info for manual annotations of cluster GD1:
•Start number 7 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 6 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 4 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 5 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_95 Start: 51157, Stop: 51489, Start Num: 7
Candidate Starts for A3Wally_95:
(1, 51109), (Start: 7 @51157 has 2 MA's), (10, 51271), (11, 51280), (13, 51322), (17, 51382), (18, 51412),

Gene: Atuin_83 Start: 52443, Stop: 52784, Start Num: 3
Candidate Starts for Atuin_83:
(Start: 3 @52443 has 4 MA's), (15, 52650), (20, 52746),

Gene: Big4_84 Start: 50177, Stop: 50509, Start Num: 6
Candidate Starts for Big4_84:
(Start: 6 @50177 has 2 MA's), (10, 50291),

Gene: Bloom_92 Start: 53844, Stop: 54185, Start Num: 3
Candidate Starts for Bloom_92:
(Start: 3 @53844 has 4 MA's), (15, 54051),

Gene: Cece_78 Start: 46135, Stop: 46464, Start Num: 4
Candidate Starts for Cece_78:
(Start: 4 @46135 has 1 MA's), (10, 46246), (14, 46321), (19, 46408),

Gene: Chilliams_85 Start: 55710, Stop: 56066, Start Num: 2
Candidate Starts for Chilliams_85:
(2, 55710), (8, 55779), (10, 55851), (20, 56022),

Gene: Dodo_95 Start: 51479, Stop: 51811, Start Num: 7
Candidate Starts for Dodo_95:
(1, 51431), (Start: 7 @51479 has 2 MA's), (10, 51593), (11, 51602), (13, 51644), (17, 51704), (18, 51734),

Gene: DunneganBoMo_82 Start: 49289, Stop: 49633, Start Num: 3
Candidate Starts for DunneganBoMo_82:
(Start: 3 @49289 has 4 MA's), (15, 49499), (20, 49595),

Gene: Ellewin_80 Start: 48884, Stop: 49228, Start Num: 3
Candidate Starts for Ellewin_80:
(Start: 3 @48884 has 4 MA's), (15, 49094), (20, 49190),

Gene: GoldenEssence_77 Start: 47637, Stop: 47978, Start Num: 3
Candidate Starts for GoldenEssence_77:
(Start: 3 @47637 has 4 MA's), (15, 47844),

Gene: KSunshine22_83 Start: 50523, Stop: 50867, Start Num: 3
Candidate Starts for KSunshine22_83:
(Start: 3 @50523 has 4 MA's), (15, 50733), (20, 50829),

Gene: LeoJr_88 Start: 52571, Stop: 52912, Start Num: 3
Candidate Starts for LeoJr_88:
(Start: 3 @52571 has 4 MA's), (15, 52778), (20, 52874),

Gene: Mimi_88 Start: 53191, Stop: 53532, Start Num: 3
Candidate Starts for Mimi_88:
(Start: 3 @53191 has 4 MA's), (15, 53398),

Gene: Panchaali_86 Start: 50285, Stop: 50629, Start Num: 3
Candidate Starts for Panchaali_86:
(Start: 3 @50285 has 4 MA's), (9, 50399), (15, 50495), (20, 50591),

Gene: Patbob_89 Start: 54063, Stop: 54404, Start Num: 3
Candidate Starts for Patbob_89:
(Start: 3 @54063 has 4 MA's), (15, 54270),

Gene: PauloDiaboli_95 Start: 50514, Stop: 50846, Start Num: 7
Candidate Starts for PauloDiaboli_95:
(1, 50466), (Start: 7 @50514 has 2 MA's), (10, 50628), (11, 50637), (13, 50679), (17, 50739), (18, 50769),

Gene: Phrampa_82 Start: 50791, Stop: 51135, Start Num: 3
Candidate Starts for Phrampa_82:
(Start: 3 @50791 has 4 MA's), (15, 51001),

Gene: Pumpernickel_92 Start: 51885, Stop: 52220, Start Num: 5
Candidate Starts for Pumpernickel_92:
(Start: 5 @51885 has 1 MA's), (10, 52002), (13, 52053), (16, 52098),

Gene: Racecar_89 Start: 53844, Stop: 54185, Start Num: 3
Candidate Starts for Racecar_89:
(Start: 3 @53844 has 4 MA's), (15, 54051),

Gene: ReginaGlobina_88 Start: 53324, Stop: 53665, Start Num: 3
Candidate Starts for ReginaGlobina_88:
(Start: 3 @53324 has 4 MA's), (15, 53531), (20, 53627),

Gene: Rockabye_90 Start: 56063, Stop: 56419, Start Num: 2
Candidate Starts for Rockabye_90:
(2, 56063), (10, 56204), (20, 56375),

Gene: SJReid_94 Start: 55142, Stop: 55498, Start Num: 2
Candidate Starts for SJReid_94:
(2, 55142), (10, 55283), (12, 55328), (20, 55454),

Gene: Talia1610_88 Start: 53209, Stop: 53550, Start Num: 3
Candidate Starts for Talia1610_88:
(Start: 3 @53209 has 4 MA's), (15, 53416),

Gene: WaddleDee_82 Start: 49144, Stop: 49488, Start Num: 3
Candidate Starts for WaddleDee_82:
(Start: 3 @49144 has 4 MA's), (15, 49354), (20, 49450),

Gene: Zooman_80 Start: 48831, Stop: 49163, Start Num: 6
Candidate Starts for Zooman_80:
(Start: 6 @48831 has 2 MA's), (10, 48945), (11, 48954),