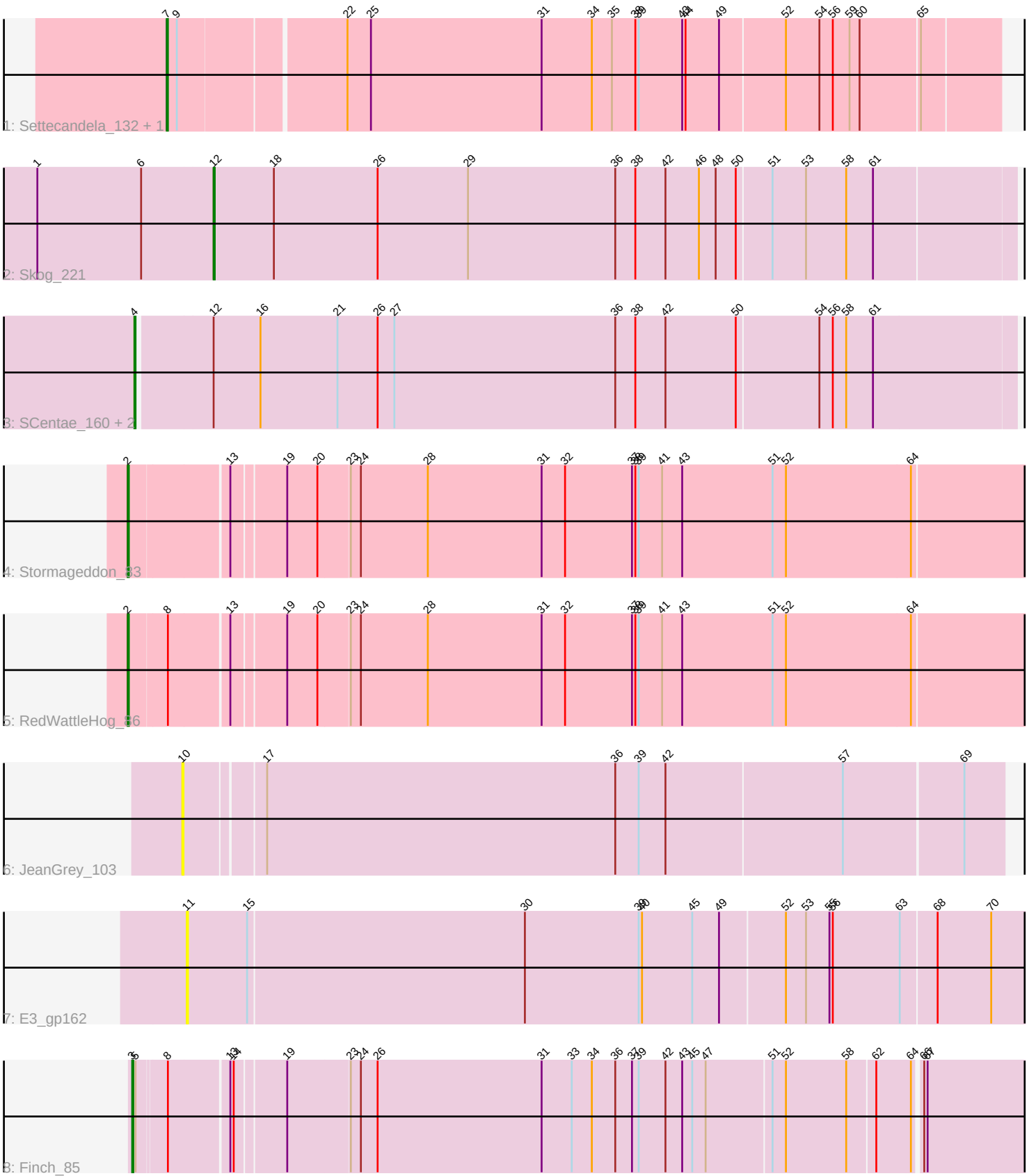
Pham 225074


1: Settecandela_132 + 1
2: Skog_221
3: SCentae_160 + 2
4: Stormageddon_83
5: RedWattleHog_86
6: JeanGrey_103
7: E3_gp162
8: Finch_85

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 225074 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225074 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_132, Phrappuccino_132
• Track 2 : Skog_221
• Track 3 : SCentae_160, CherryTomatoes_162, Pupper_161
• Track 4 : Stormageddon_83
• Track 5 : RedWattleHog_86
• Track 6 : JeanGrey_103
• Track 7 : E3_gp162
• Track 8 : Finch_85

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryTomatoes_162, Pupper_161, SCentae_160,

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

Genes that do not have the "Most Annotated" start:
• E3_gp162, Finch_85, JeanGrey_103, Phrappuccino_132, RedWattleHog_86, Settecandela_132, Skog_221, Stormageddon_83,

Summary by start number:

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RedWattleHog_86 (DX), Stormageddon_83 (DX),

Start 3:

• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_85 (singleton),

Start 4:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_162 (DO), Pupper_161 (DO), SCentae_160 (DO),

Start 7:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_132 (AA), Settecandela_132 (AA),

Start 10:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JeanGrey_103 (singleton),

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp162 (singleton),

Start 12:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Skog_221 (DO),

Summary by clusters:

There are 4 clusters represented in this pham: AA, DO, singleton, DX,

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

Info for manual annotations of cluster DO:
•Start number 4 was manually annotated 3 times for cluster DO.
•Start number 12 was manually annotated 1 time for cluster DO.

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

Gene Information:

Gene: CherryTomatoes_162 Start: 113886, Stop: 114662, Start Num: 4
Candidate Starts for CherryTomatoes_162:
(Start: 4 @113886 has 3 MA's), (Start: 12 @113949 has 1 MA's), (16, 113991), (21, 114060), (26, 114096), (27, 114111), (36, 114309), (38, 114327), (42, 114354), (50, 114417), (54, 114489), (56, 114501), (58, 114513), (61, 114537),

Gene: E3_gp162 Start: 111532, Stop: 112275, Start Num: 11
Candidate Starts for E3_gp162:
(11, 111532), (15, 111586), (30, 111832), (39, 111934), (40, 111937), (45, 111982), (49, 112006), (52, 112063), (53, 112081), (55, 112102), (56, 112105), (63, 112165), (68, 112195), (70, 112243),

Gene: Finch_85 Start: 73176, Stop: 73952, Start Num: 3
Candidate Starts for Finch_85:
(Start: 3 @73176 has 1 MA's), (5, 73179), (8, 73203), (13, 73254), (14, 73257), (19, 73299), (23, 73353), (24, 73362), (26, 73377), (31, 73524), (33, 73551), (34, 73569), (36, 73590), (37, 73605), (39, 73611), (42, 73635), (43, 73650), (45, 73659), (47, 73671), (51, 73728), (52, 73740), (58, 73794), (62, 73818), (64, 73848), (66, 73854), (67, 73857),

Gene: JeanGrey_103 Start: 82580, Stop: 83299, Start Num: 10
Candidate Starts for JeanGrey_103:
(10, 82580), (17, 82646), (36, 82958), (39, 82979), (42, 83003), (57, 83159), (69, 83264),

Gene: Phrappuccino_132 Start: 95251, Stop: 95976, Start Num: 7
Candidate Starts for Phrappuccino_132:
(Start: 7 @95251 has 2 MA's), (9, 95260), (22, 95401), (25, 95422), (31, 95575), (34, 95620), (35, 95638), (38, 95659), (39, 95662), (43, 95701), (44, 95704), (49, 95734), (52, 95791), (54, 95821), (56, 95833), (59, 95848), (60, 95857), (65, 95908),

Gene: Pupper_161 Start: 114126, Stop: 114902, Start Num: 4
Candidate Starts for Pupper_161:
(Start: 4 @114126 has 3 MA's), (Start: 12 @114189 has 1 MA's), (16, 114231), (21, 114300), (26, 114336), (27, 114351), (36, 114549), (38, 114567), (42, 114594), (50, 114657), (54, 114729), (56, 114741), (58, 114753), (61, 114777),

Gene: RedWattleHog_86 Start: 78494, Stop: 79279, Start Num: 2
Candidate Starts for RedWattleHog_86:
(Start: 2 @78494 has 2 MA's), (8, 78527), (13, 78578), (19, 78623), (20, 78650), (23, 78677), (24, 78686), (28, 78746), (31, 78848), (32, 78869), (37, 78929), (38, 78932), (39, 78935), (41, 78956), (43, 78974), (51, 79055), (52, 79067), (64, 79178),

Gene: SCentae_160 Start: 114280, Stop: 115056, Start Num: 4
Candidate Starts for SCentae_160:
(Start: 4 @114280 has 3 MA's), (Start: 12 @114343 has 1 MA's), (16, 114385), (21, 114454), (26, 114490), (27, 114505), (36, 114703), (38, 114721), (42, 114748), (50, 114811), (54, 114883), (56, 114895), (58, 114907), (61, 114931),

Gene: Settecandela_132 Start: 95251, Stop: 95976, Start Num: 7
Candidate Starts for Settecandela_132:
(Start: 7 @95251 has 2 MA's), (9, 95260), (22, 95401), (25, 95422), (31, 95575), (34, 95620), (35, 95638), (38, 95659), (39, 95662), (43, 95701), (44, 95704), (49, 95734), (52, 95791), (54, 95821), (56, 95833), (59, 95848), (60, 95857), (65, 95908),

Gene: Skog_221 Start: 143812, Stop: 144522, Start Num: 12
Candidate Starts for Skog_221:
(1, 143656), (6, 143749), (Start: 12 @143812 has 1 MA's), (18, 143866), (26, 143959), (29, 144040), (36, 144172), (38, 144190), (42, 144217), (46, 144247), (48, 144262), (50, 144280), (51, 144310), (53, 144340), (58, 144376), (61, 144400),

Gene: Stormageddon_83 Start: 78475, Stop: 79260, Start Num: 2
Candidate Starts for Stormageddon_83:
(Start: 2 @78475 has 2 MA's), (13, 78559), (19, 78604), (20, 78631), (23, 78658), (24, 78667), (28, 78727), (31, 78829), (32, 78850), (37, 78910), (38, 78913), (39, 78916), (41, 78937), (43, 78955), (51, 79036), (52, 79048), (64, 79159),