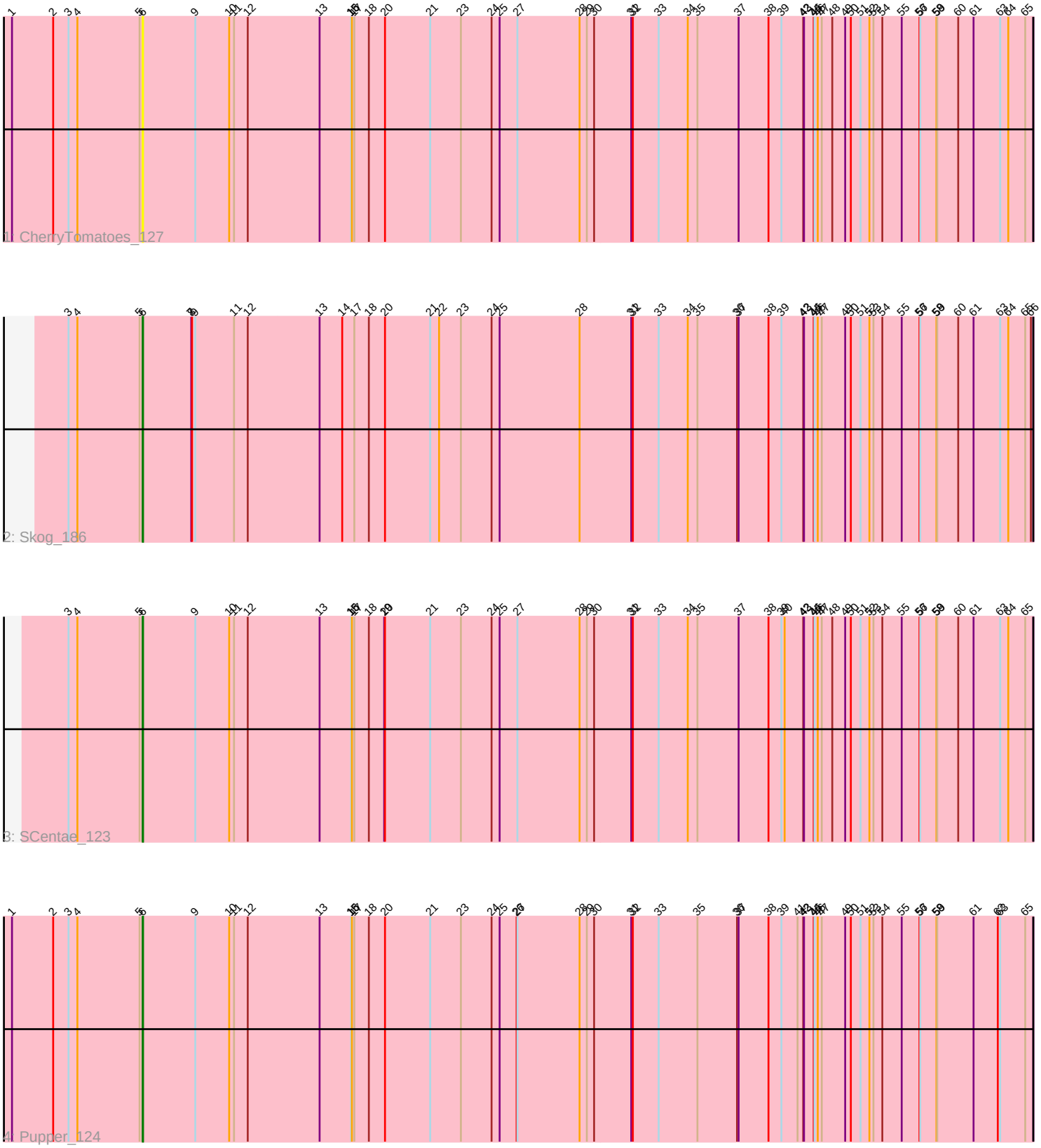
Pham 107785



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 107785 Report

This analysis was run 04/28/24 on database version 559.

Pham number 107785 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CherryTomatoes_127
• Track 2 : Skog_186
• Track 3 : SCentae_123
• Track 4 : Pupper_124

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

Genes that call this "Most Annotated" start:
• CherryTomatoes_127, Pupper_124, SCentae_123, Skog_186,

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

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

Summary by start number:

Start 6:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_127 (DO), Pupper_124 (DO), SCentae_123 (DO), Skog_186 (DO),

Summary by clusters:

There is one cluster represented in this pham: DO

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

Gene Information:

Gene: CherryTomatoes_127 Start: 78804, Stop: 82109, Start Num: 6
Candidate Starts for CherryTomatoes_127:
(1, 78318), (2, 78471), (3, 78528), (4, 78561), (5, 78792), (Start: 6 @78804 has 3 MA's), (9, 78999), (10, 79125), (11, 79143), (12, 79194), (13, 79461), (15, 79578), (16, 79581), (17, 79590), (18, 79644), (20, 79704), (21, 79872), (23, 79986), (24, 80100), (25, 80130), (27, 80196), (28, 80427), (29, 80454), (30, 80481), (31, 80616), (32, 80622), (33, 80718), (34, 80826), (35, 80862), (37, 81015), (38, 81126), (39, 81174), (42, 81255), (43, 81258), (44, 81294), (45, 81297), (46, 81309), (47, 81324), (48, 81363), (49, 81411), (50, 81432), (51, 81468), (52, 81501), (53, 81516), (54, 81549), (55, 81621), (56, 81687), (57, 81690), (58, 81750), (59, 81753), (60, 81831), (61, 81888), (63, 81987), (64, 82017), (65, 82080),

Gene: Pupper_124 Start: 79653, Stop: 82958, Start Num: 6
Candidate Starts for Pupper_124:
(1, 79167), (2, 79320), (3, 79377), (4, 79410), (5, 79641), (Start: 6 @79653 has 3 MA's), (9, 79848), (10, 79974), (11, 79992), (12, 80043), (13, 80310), (15, 80427), (16, 80430), (17, 80439), (18, 80493), (20, 80553), (21, 80721), (23, 80835), (24, 80949), (25, 80979), (26, 81042), (27, 81045), (28, 81276), (29, 81303), (30, 81330), (31, 81465), (32, 81471), (33, 81567), (35, 81711), (36, 81858), (37, 81864), (38, 81975), (39, 82023), (41, 82083), (42, 82104), (43, 82107), (44, 82143), (45, 82146), (46, 82158), (47, 82173), (49, 82260), (50, 82281), (51, 82317), (52, 82350), (53, 82365), (54, 82398), (55, 82470), (56, 82536), (57, 82539), (58, 82599), (59, 82602), (61, 82737), (62, 82827), (63, 82836), (65, 82929),

Gene: SCentae_123 Start: 79806, Stop: 83111, Start Num: 6
Candidate Starts for SCentae_123:
(3, 79530), (4, 79563), (5, 79794), (Start: 6 @79806 has 3 MA's), (9, 80001), (10, 80127), (11, 80145), (12, 80196), (13, 80463), (15, 80580), (16, 80583), (17, 80592), (18, 80646), (19, 80703), (20, 80706), (21, 80874), (23, 80988), (24, 81102), (25, 81132), (27, 81198), (28, 81429), (29, 81456), (30, 81483), (31, 81618), (32, 81624), (33, 81720), (34, 81828), (35, 81864), (37, 82017), (38, 82128), (39, 82176), (40, 82188), (42, 82257), (43, 82260), (44, 82296), (45, 82299), (46, 82311), (47, 82326), (48, 82365), (49, 82413), (50, 82434), (51, 82470), (52, 82503), (53, 82518), (54, 82551), (55, 82623), (56, 82689), (57, 82692), (58, 82752), (59, 82755), (60, 82833), (61, 82890), (63, 82989), (64, 83019), (65, 83082),

Gene: Skog_186 Start: 109539, Stop: 112841, Start Num: 6
Candidate Starts for Skog_186:
(3, 109263), (4, 109296), (5, 109527), (Start: 6 @109539 has 3 MA's), (7, 109719), (8, 109722), (9, 109734), (11, 109878), (12, 109929), (13, 110190), (14, 110274), (17, 110319), (18, 110373), (20, 110433), (21, 110601), (22, 110634), (23, 110715), (24, 110829), (25, 110859), (28, 111156), (31, 111348), (32, 111354), (33, 111450), (34, 111558), (35, 111594), (36, 111741), (37, 111747), (38, 111858), (39, 111906), (42, 111987), (43, 111990), (44, 112026), (45, 112029), (46, 112041), (47, 112056), (49, 112143), (50, 112164), (51, 112200), (52, 112233), (53, 112248), (54, 112281), (55, 112353), (56, 112419), (57, 112422), (58, 112482), (59, 112485), (60, 112563), (61, 112620), (63, 112719), (64, 112749), (65, 112812), (66, 112833),