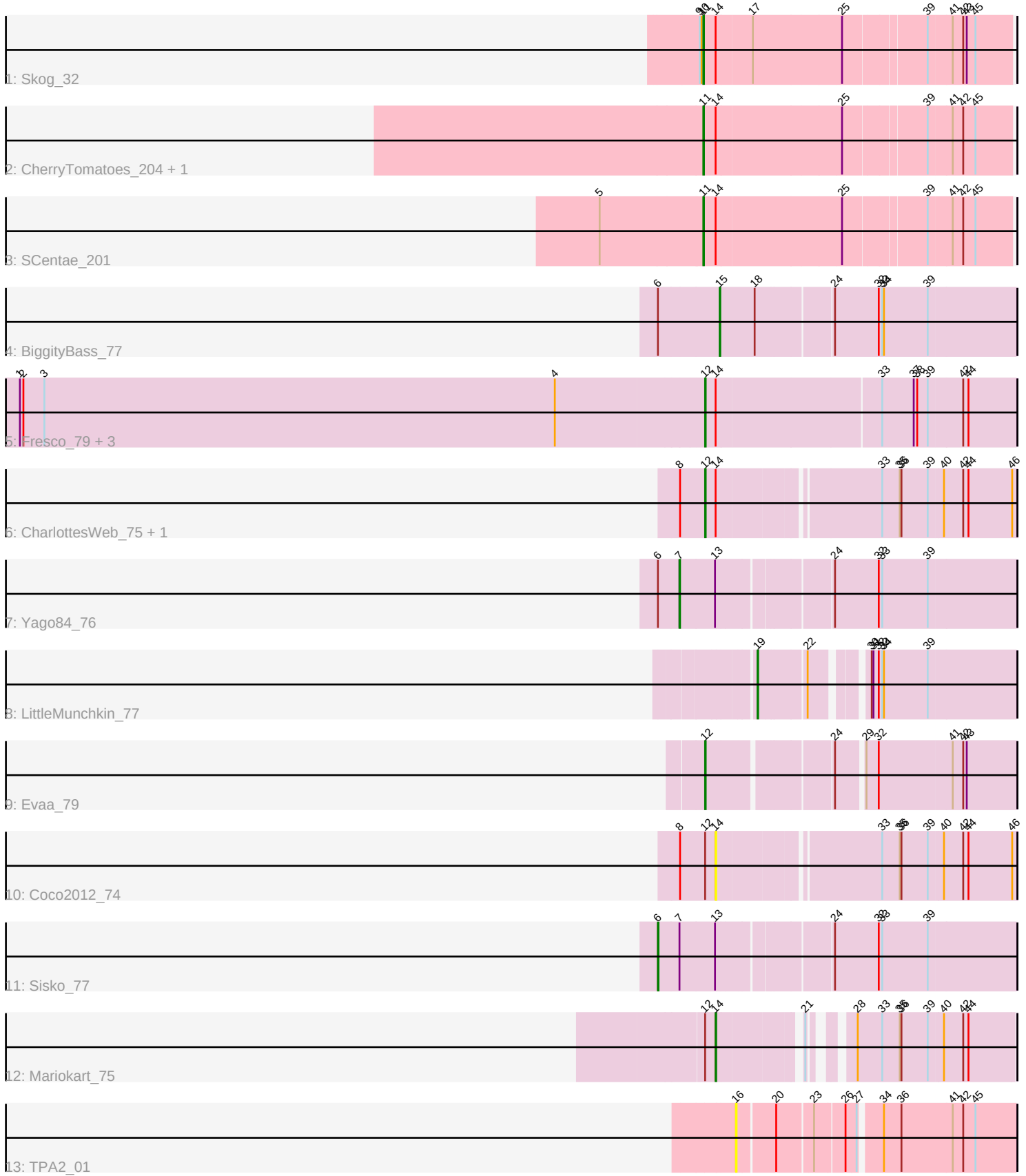


Pham 327545



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 327545 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327545 has 18 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Skog_32
- Track 2 : CherryTomatoes_204, Pupper_202
- Track 3 : SCentae_201
- Track 4 : BiggityBass_77
- Track 5 : Fresco_79, Axumite_79, Ligma_79, Shatter_79
- Track 6 : CharlottesWeb_75, JellyBelly_74
- Track 7 : Yago84_76
- Track 8 : LittleMunchkin_77
- Track 9 : Evaa_79
- Track 10 : Coco2012_74
- Track 11 : Sisko_77
- Track 12 : Mariokart_75
- Track 13 : TPA2_01

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

The start number called the most often in the published annotations is 12, it was called in 6 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Axumite_79, CharlottesWeb_75, Evaa_79, Fresco_79, JellyBelly_74, Ligma_79, Shatter_79,

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

- Coco2012_74, Mariokart_75,

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

- BiggityBass_77, CherryTomatoes_204, LittleMunchkin_77, Pupper_202, SCentae_201, Sisko_77, Skog_32, TPA2_01, Yago84_76,

Summary by start number:

Start 6:

- Found in 3 of 18 (16.7%) of genes in pham

- Manual Annotations of this start: 1 of 15
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sisko_77 (DR),

Start 7:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Yago84_76 (DR),

Start 11:

- Found in 4 of 18 (22.2%) of genes in pham
- Manual Annotations of this start: 4 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_204 (DO), Pupper_202 (DO), SCentae_201 (DO), Skog_32 (DO),

Start 12:

- Found in 9 of 18 (50.0%) of genes in pham
- Manual Annotations of this start: 6 of 15
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Axumite_79 (DR), CharlottesWeb_75 (DR), Evaa_79 (DR), Fresco_79 (DR), JellyBelly_74 (DR), Ligma_79 (DR), Shatter_79 (DR),

Start 14:

- Found in 12 of 18 (66.7%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Coco2012_74 (DR), Mariokart_75 (DR),

Start 15:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_77 (DR),

Start 16:

- Found in 1 of 18 (5.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA2_01 (singleton),

Start 19:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleMunchkin_77 (DR),

Summary by clusters:

There are 3 clusters represented in this pham: DO, singleton, DR,

Info for manual annotations of cluster DO:

- Start number 11 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DR:

- Start number 6 was manually annotated 1 time for cluster DR.
- Start number 7 was manually annotated 1 time for cluster DR.
- Start number 12 was manually annotated 6 times for cluster DR.
- Start number 14 was manually annotated 1 time for cluster DR.
- Start number 15 was manually annotated 1 time for cluster DR.
- Start number 19 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: Axumite_79 Start: 58237, Stop: 57722, Start Num: 12

Candidate Starts for Axumite_79:

(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 12 @58237 has 6 MA's), (Start: 14 @58219 has 1 MA's), (33, 57946), (37, 57892), (38, 57886), (39, 57868), (42, 57811), (44, 57802),

Gene: BiggityBass_77 Start: 59763, Stop: 59275, Start Num: 15

Candidate Starts for BiggityBass_77:

(Start: 6 @59865 has 1 MA's), (Start: 15 @59763 has 1 MA's), (18, 59703), (24, 59580), (32, 59505), (33, 59499), (34, 59496), (39, 59421),

Gene: CharlottesWeb_75 Start: 56845, Stop: 56345, Start Num: 12

Candidate Starts for CharlottesWeb_75:

(8, 56884), (Start: 12 @56845 has 6 MA's), (Start: 14 @56827 has 1 MA's), (33, 56572), (35, 56542), (36, 56539), (39, 56494), (40, 56470), (42, 56437), (44, 56428), (46, 56353),

Gene: CherryTomatoes_204 Start: 139363, Stop: 139863, Start Num: 11

Candidate Starts for CherryTomatoes_204:

(Start: 11 @139363 has 4 MA's), (Start: 14 @139384 has 1 MA's), (25, 139591), (39, 139723), (41, 139762), (42, 139780), (45, 139801),

Gene: Coco2012_74 Start: 56451, Stop: 55969, Start Num: 14

Candidate Starts for Coco2012_74:

(8, 56508), (Start: 12 @56469 has 6 MA's), (Start: 14 @56451 has 1 MA's), (33, 56196), (35, 56166), (36, 56163), (39, 56118), (40, 56094), (42, 56061), (44, 56052), (46, 55977),

Gene: Evaa_79 Start: 58056, Stop: 57580, Start Num: 12

Candidate Starts for Evaa_79:

(Start: 12 @58056 has 6 MA's), (24, 57870), (29, 57828), (32, 57807), (41, 57687), (42, 57669), (43, 57663),

Gene: Fresco_79 Start: 58243, Stop: 57728, Start Num: 12

Candidate Starts for Fresco_79:

(1, 59407), (2, 59401), (3, 59365), (4, 58489), (Start: 12 @58243 has 6 MA's), (Start: 14 @58225 has 1 MA's), (33, 57952), (37, 57898), (38, 57892), (39, 57874), (42, 57817), (44, 57808),

Gene: JellyBelly_74 Start: 56854, Stop: 56354, Start Num: 12

Candidate Starts for JellyBelly_74:

(8, 56893), (Start: 12 @56854 has 6 MA's), (Start: 14 @56836 has 1 MA's), (33, 56581), (35, 56551), (36, 56548), (39, 56503), (40, 56479), (42, 56446), (44, 56437), (46, 56362),

Gene: Ligma_79 Start: 58237, Stop: 57722, Start Num: 12

Candidate Starts for Ligma_79:

(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 12 @58237 has 6 MA's), (Start: 14 @58219 has 1 MA's), (33, 57946), (37, 57892), (38, 57886), (39, 57868), (42, 57811), (44, 57802),

Gene: LittleMunchkin_77 Start: 59781, Stop: 59389, Start Num: 19

Candidate Starts for LittleMunchkin_77:

(Start: 19 @59781 has 1 MA's), (22, 59706), (30, 59631), (31, 59628), (32, 59619), (33, 59613), (34, 59610), (39, 59535),

Gene: Mariokart_75 Start: 57067, Stop: 56636, Start Num: 14

Candidate Starts for Mariokart_75:

(Start: 12 @57085 has 6 MA's), (Start: 14 @57067 has 1 MA's), (21, 56941), (28, 56899), (33, 56857), (35, 56827), (36, 56824), (39, 56779), (40, 56755), (42, 56722), (44, 56713),

Gene: Pupper_202 Start: 139225, Stop: 139725, Start Num: 11

Candidate Starts for Pupper_202:

(Start: 11 @139225 has 4 MA's), (Start: 14 @139246 has 1 MA's), (25, 139453), (39, 139585), (41, 139624), (42, 139642), (45, 139663),

Gene: SCentae_201 Start: 139416, Stop: 139916, Start Num: 11

Candidate Starts for SCentae_201:

(5, 139242), (Start: 11 @139416 has 4 MA's), (Start: 14 @139437 has 1 MA's), (25, 139644), (39, 139776), (41, 139815), (42, 139833), (45, 139854),

Gene: Shatter_79 Start: 58237, Stop: 57722, Start Num: 12

Candidate Starts for Shatter_79:

(1, 59401), (2, 59395), (3, 59359), (4, 58483), (Start: 12 @58237 has 6 MA's), (Start: 14 @58219 has 1 MA's), (33, 57946), (37, 57892), (38, 57886), (39, 57868), (42, 57811), (44, 57802),

Gene: Sisko_77 Start: 58720, Stop: 58148, Start Num: 6

Candidate Starts for Sisko_77:

(Start: 6 @58720 has 1 MA's), (Start: 7 @58684 has 1 MA's), (13, 58624), (24, 58453), (32, 58378), (33, 58372), (39, 58294),

Gene: Skog_32 Start: 15028, Stop: 15528, Start Num: 11

Candidate Starts for Skog_32:

(9, 15022), (10, 15025), (Start: 11 @15028 has 4 MA's), (Start: 14 @15049 has 1 MA's), (17, 15109), (25, 15256), (39, 15388), (41, 15427), (42, 15445), (43, 15451), (45, 15466),

Gene: TPA2_01 Start: 457, Stop: 20, Start Num: 16

Candidate Starts for TPA2_01:

(16, 457), (20, 400), (23, 343), (26, 295), (27, 277), (34, 244), (36, 214), (41, 127), (42, 109), (45, 88),

Gene: Yago84_76 Start: 58383, Stop: 57847, Start Num: 7

Candidate Starts for Yago84_76:

(Start: 6 @58419 has 1 MA's), (Start: 7 @58383 has 1 MA's), (13, 58323), (24, 58152), (32, 58077), (33, 58071), (39, 57993),