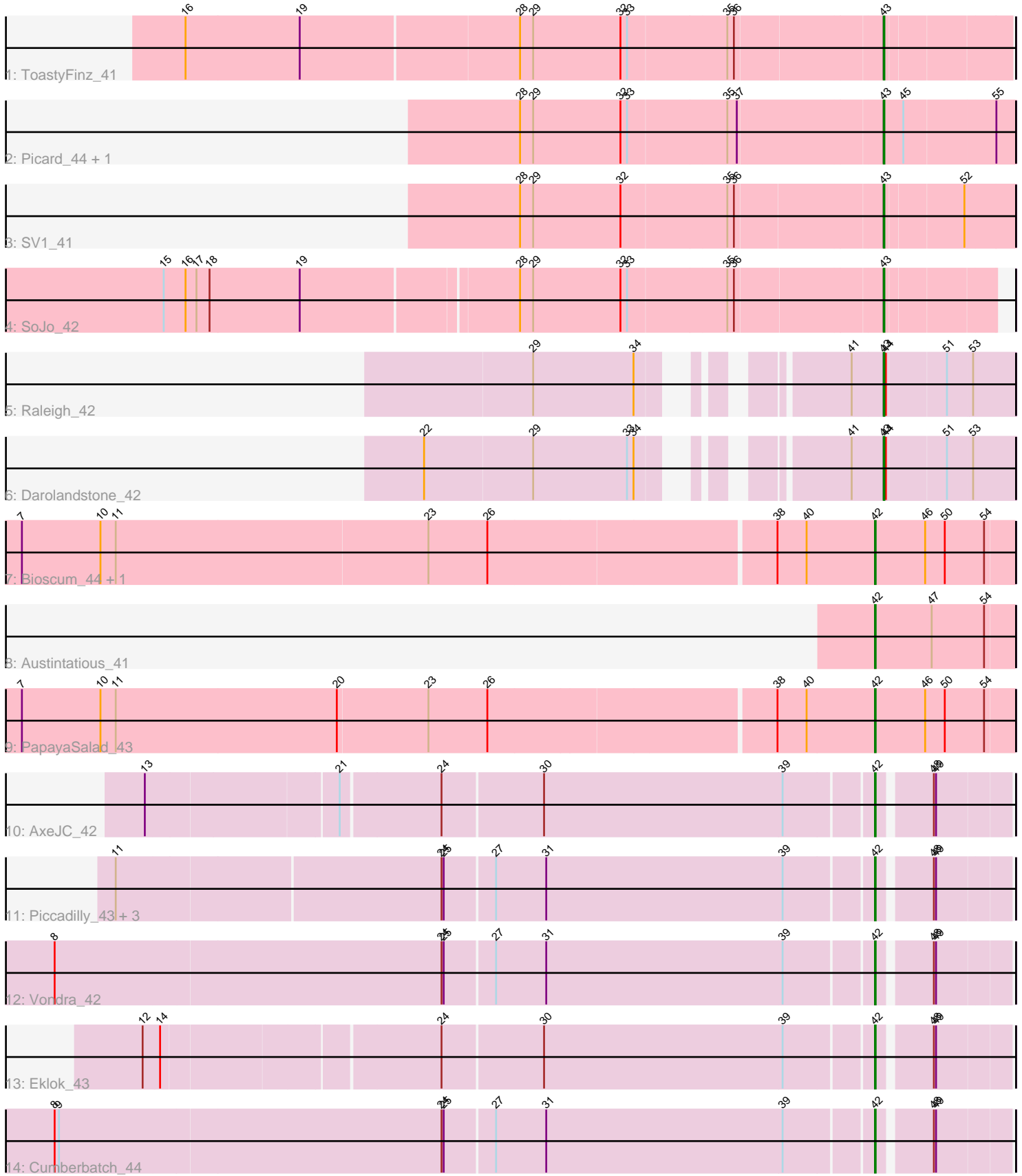


Zoomed Pham 163937



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 163937 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 163937 has 19 members, 0 are drafts.

Phages represented in each track:

- Track 1 : ToastyFinz_41
- Track 2 : Picard_44, Mojorita_44
- Track 3 : SV1_41
- Track 4 : SoJo_42
- Track 5 : Raleigh_42
- Track 6 : Darolandstone_42
- Track 7 : Bioscum_44, Ididsumtinwong_45
- Track 8 : Austintatious_41
- Track 9 : PapayaSalad_43
- Track 10 : AxeJC_42
- Track 11 : Piccadilly_43, Eastland_43, Ignacio_43, HFrancette_44
- Track 12 : Vondra_42
- Track 13 : Eklok_43
- Track 14 : Cumberbatch_44

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

The start number called the most often in the published annotations is 42, it was called in 12 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Austintatious_41, AxeJC_42, Bioscum_44, Cumberbatch_44, Eastland_43, Eklok_43, HFrancette_44, Ididsumtinwong_45, Ignacio_43, PapayaSalad_43, Piccadilly_43, Vondra_42,

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

-

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

- Darolandstone_42, Mojarita_44, Picard_44, Raleigh_42, SV1_41, SoJo_42, ToastyFinz_41,

Summary by start number:

Start 42:

- Found in 12 of 19 (63.2%) of genes in pham
- Manual Annotations of this start: 12 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Austintatious_41 (BC3), AxeJC_42 (BP), Bioscum_44 (BC3), Cumberbatch_44 (BP), Eastland_43 (BP), Eklok_43 (BP), HFrancette_44 (BP), Ididsumtinwong_45 (BC3), Ignacio_43 (BP), PapayaSalad_43 (BC3), Piccadilly_43 (BP), Vondra_42 (BP),

Start 43:

- Found in 7 of 19 (36.8%) of genes in pham
- Manual Annotations of this start: 7 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone_42 (BC2), Mojarita_44 (BC1), Picard_44 (BC1), Raleigh_42 (BC2), SV1_41 (BC1), SoJo_42 (BC1), ToastyFinz_41 (BC1),

Summary by clusters:

There are 4 clusters represented in this pham: BP, BC1, BC2, BC3,

Info for manual annotations of cluster BC1:

- Start number 43 was manually annotated 5 times for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 43 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BC3:

- Start number 42 was manually annotated 4 times for cluster BC3.

Info for manual annotations of cluster BP:

- Start number 42 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: Austintatious_41 Start: 27402, Stop: 27590, Start Num: 42

Candidate Starts for Austintatious_41:

(Start: 42 @27402 has 12 MA's), (47, 27480), (54, 27552),

Gene: AxeJC_42 Start: 29666, Stop: 29830, Start Num: 42

Candidate Starts for AxeJC_42:

(13, 28706), (21, 28958), (24, 29090), (30, 29225), (39, 29552), (Start: 42 @29666 has 12 MA's), (48, 29732), (49, 29735),

Gene: Bioscum_44 Start: 29698, Stop: 29886, Start Num: 42

Candidate Starts for Bioscum_44:

(5, 28513), (6, 28516), (7, 28549), (10, 28657), (11, 28678), (23, 29104), (26, 29185), (38, 29566), (40, 29605), (Start: 42 @29698 has 12 MA's), (46, 29767), (50, 29794), (54, 29848),

Gene: Cumberbatch_44 Start: 29964, Stop: 30128, Start Num: 42

Candidate Starts for Cumberbatch_44:

(2, 28677), (3, 28710), (4, 28776), (8, 28863), (9, 28869), (24, 29388), (25, 29391), (27, 29457), (31, 29526), (39, 29850), (Start: 42 @29964 has 12 MA's), (48, 30030), (49, 30033),

Gene: Darolandstone_42 Start: 32791, Stop: 32961, Start Num: 43

Candidate Starts for Darolandstone_42:

(22, 32269), (29, 32416), (33, 32545), (34, 32554), (41, 32749), (Start: 43 @32791 has 7 MA's), (44, 32794), (51, 32872), (53, 32905),

Gene: Eastland_43 Start: 29924, Stop: 30088, Start Num: 42

Candidate Starts for Eastland_43:

(11, 28913), (24, 29348), (25, 29351), (27, 29417), (31, 29486), (39, 29810), (Start: 42 @29924 has 12 MA's), (48, 29990), (49, 29993),

Gene: Eklok_43 Start: 29723, Stop: 29887, Start Num: 42

Candidate Starts for Eklok_43:

(12, 28763), (14, 28784), (24, 29147), (30, 29282), (39, 29609), (Start: 42 @29723 has 12 MA's), (48, 29789), (49, 29792),

Gene: HFrancette_44 Start: 30702, Stop: 30866, Start Num: 42

Candidate Starts for HFrancette_44:

(11, 29691), (24, 30126), (25, 30129), (27, 30195), (31, 30264), (39, 30588), (Start: 42 @30702 has 12 MA's), (48, 30768), (49, 30771),

Gene: Ididsumtinwong_45 Start: 29698, Stop: 29886, Start Num: 42

Candidate Starts for Ididsumtinwong_45:

(5, 28513), (6, 28516), (7, 28549), (10, 28657), (11, 28678), (23, 29104), (26, 29185), (38, 29566), (40, 29605), (Start: 42 @29698 has 12 MA's), (46, 29767), (50, 29794), (54, 29848),

Gene: Ignacio_43 Start: 30605, Stop: 30769, Start Num: 42

Candidate Starts for Ignacio_43:

(11, 29594), (24, 30029), (25, 30032), (27, 30098), (31, 30167), (39, 30491), (Start: 42 @30605 has 12 MA's), (48, 30671), (49, 30674),

Gene: Mojerita_44 Start: 30457, Stop: 30630, Start Num: 43

Candidate Starts for Mojerita_44:

(28, 29977), (29, 29995), (32, 30115), (33, 30124), (35, 30256), (37, 30268), (Start: 43 @30457 has 7 MA's), (45, 30484), (55, 30604),

Gene: PapayaSalad_43 Start: 29988, Stop: 30176, Start Num: 42

Candidate Starts for PapayaSalad_43:

(5, 28803), (6, 28806), (7, 28839), (10, 28947), (11, 28968), (20, 29271), (23, 29394), (26, 29475), (38, 29856), (40, 29895), (Start: 42 @29988 has 12 MA's), (46, 30057), (50, 30084), (54, 30138),

Gene: Picard_44 Start: 30655, Stop: 30828, Start Num: 43

Candidate Starts for Picard_44:

(28, 30175), (29, 30193), (32, 30313), (33, 30322), (35, 30454), (37, 30466), (Start: 43 @30655 has 7 MA's), (45, 30682), (55, 30802),

Gene: Piccadilly_43 Start: 29923, Stop: 30087, Start Num: 42

Candidate Starts for Piccadilly_43:

(11, 28912), (24, 29347), (25, 29350), (27, 29416), (31, 29485), (39, 29809), (Start: 42 @29923 has 12 MA's), (48, 29989), (49, 29992),

Gene: Raleigh_42 Start: 33159, Stop: 33329, Start Num: 43

Candidate Starts for Raleigh_42:

(29, 32784), (34, 32922), (41, 33117), (Start: 43 @33159 has 7 MA's), (44, 33162), (51, 33240), (53, 33273),

Gene: SV1_41 Start: 29360, Stop: 29527, Start Num: 43

Candidate Starts for SV1_41:

(28, 28880), (29, 28898), (32, 29018), (35, 29159), (36, 29168), (Start: 43 @29360 has 7 MA's), (52, 29462),

Gene: SoJo_42 Start: 31195, Stop: 31335, Start Num: 43

Candidate Starts for SoJo_42:

(15, 30244), (16, 30274), (17, 30289), (18, 30307), (19, 30430), (28, 30715), (29, 30733), (32, 30853), (33, 30862), (35, 30994), (36, 31003), (Start: 43 @31195 has 7 MA's),

Gene: ToastyFinz_41 Start: 31997, Stop: 32158, Start Num: 43

Candidate Starts for ToastyFinz_41:

(16, 31067), (19, 31223), (28, 31517), (29, 31535), (32, 31655), (33, 31664), (35, 31796), (36, 31805), (Start: 43 @31997 has 7 MA's),

Gene: Vondra_42 Start: 29775, Stop: 29939, Start Num: 42

Candidate Starts for Vondra_42:

(1, 28443), (8, 28674), (24, 29199), (25, 29202), (27, 29268), (31, 29337), (39, 29661), (Start: 42 @29775 has 12 MA's), (48, 29841), (49, 29844),