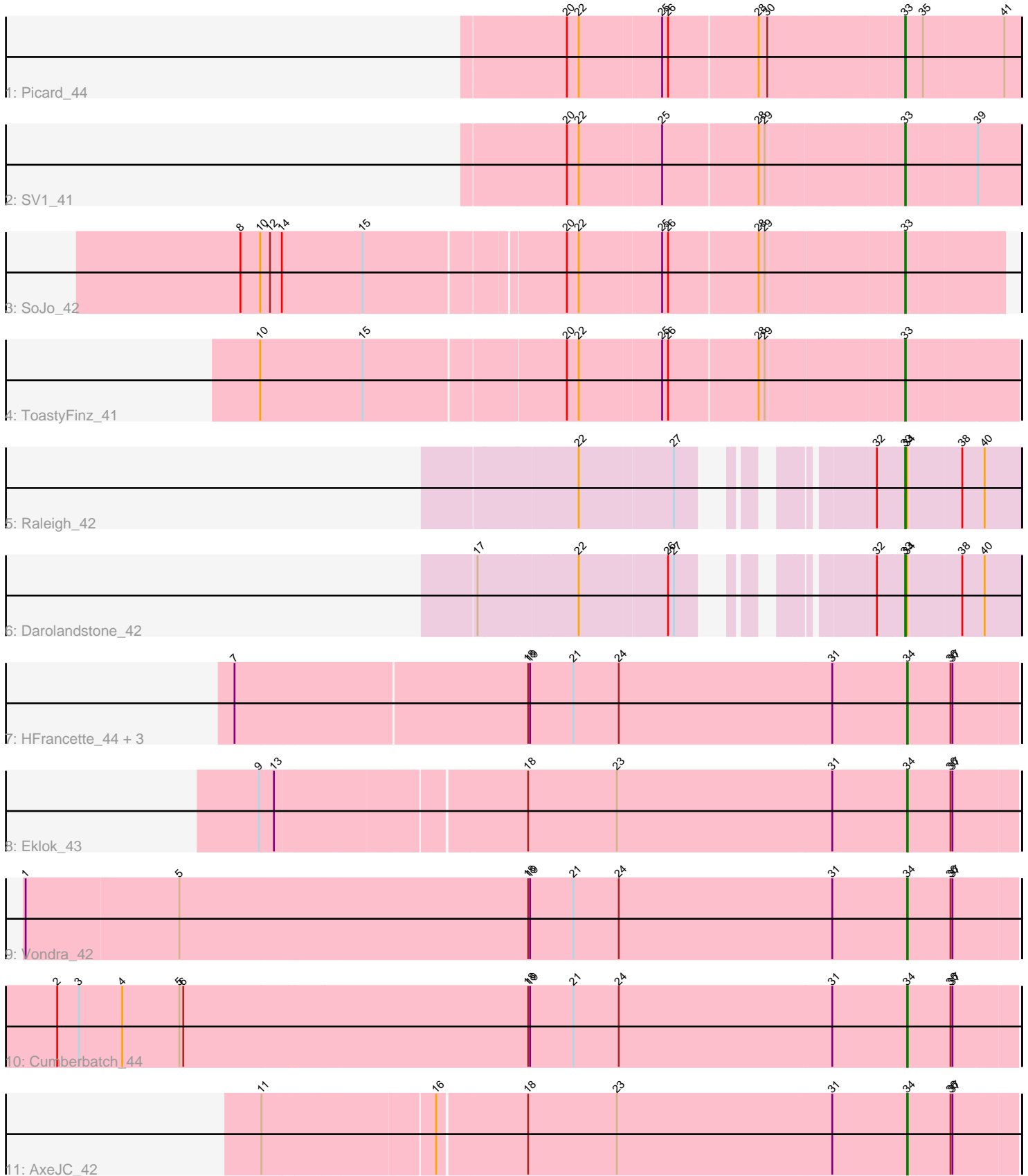


Pham 194435



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 194435 Report

This analysis was run 11/02/24 on database version 579.

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 194435 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Picard_44
- Track 2 : SV1_41
- Track 3 : SoJo_42
- Track 4 : ToastyFinz_41
- Track 5 : Raleigh_42
- Track 6 : Darolandstone_42
- Track 7 : HFrancette_44, Piccadilly_43, Eastland_43, Ignacio_43
- Track 8 : Eklok_43
- Track 9 : Vondra_42
- Track 10 : Cumberbatch_44
- Track 11 : AxeJC_42

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

The start number called the most often in the published annotations is 34, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AxeJC_42, Cumberbatch_44, Eastland_43, Eklok_43, HFrancette_44, Ignacio_43, Piccadilly_43, Vondra_42,

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

- Darolandstone_42, Raleigh_42,

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

- Picard_44, SV1_41, SoJo_42, ToastyFinz_41,

Summary by start number:

Start 33:

- Found in 6 of 14 (42.9%) of genes in pham
- Manual Annotations of this start: 6 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone_42 (BC2), Picard_44 (BC1), Raleigh_42 (BC2), SV1_41 (BC1), SoJo_42 (BC1), ToastyFinz_41 (BC1),

Start 34:

- Found in 10 of 14 (71.4%) of genes in pham
- Manual Annotations of this start: 8 of 14
- Called 80.0% of time when present
- Phage (with cluster) where this start called: AxeJC_42 (BP), Cumberbatch_44 (BP), Eastland_43 (BP), Eklok_43 (BP), HFrancette_44 (BP), Ignacio_43 (BP), Piccadilly_43 (BP), Vondra_42 (BP),

Summary by clusters:

There are 3 clusters represented in this pham: BP, BC1, BC2,

Info for manual annotations of cluster BC1:

- Start number 33 was manually annotated 4 times for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 33 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BP:

- Start number 34 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_42 Start: 29666, Stop: 29830, Start Num: 34

Candidate Starts for AxeJC_42:

(11, 28706), (16, 28958), (18, 29090), (23, 29225), (31, 29552), (Start: 34 @29666 has 8 MA's), (36, 29732), (37, 29735),

Gene: Cumberbatch_44 Start: 29964, Stop: 30128, Start Num: 34

Candidate Starts for Cumberbatch_44:

(2, 28677), (3, 28710), (4, 28776), (5, 28863), (6, 28869), (18, 29388), (19, 29391), (21, 29457), (24, 29526), (31, 29850), (Start: 34 @29964 has 8 MA's), (36, 30030), (37, 30033),

Gene: Darolandstone_42 Start: 32791, Stop: 32961, Start Num: 33

Candidate Starts for Darolandstone_42:

(17, 32269), (22, 32416), (26, 32545), (27, 32554), (32, 32749), (Start: 33 @32791 has 6 MA's), (Start: 34 @32794 has 8 MA's), (38, 32872), (40, 32905),

Gene: Eastland_43 Start: 29924, Stop: 30088, Start Num: 34

Candidate Starts for Eastland_43:

(7, 28913), (18, 29348), (19, 29351), (21, 29417), (24, 29486), (31, 29810), (Start: 34 @29924 has 8 MA's), (36, 29990), (37, 29993),

Gene: Eklok_43 Start: 29723, Stop: 29887, Start Num: 34

Candidate Starts for Eklok_43:

(9, 28763), (13, 28784), (18, 29147), (23, 29282), (31, 29609), (Start: 34 @29723 has 8 MA's), (36, 29789), (37, 29792),

Gene: HFrancette_44 Start: 30702, Stop: 30866, Start Num: 34

Candidate Starts for HFrancette_44:

(7, 29691), (18, 30126), (19, 30129), (21, 30195), (24, 30264), (31, 30588), (Start: 34 @30702 has 8 MA's), (36, 30768), (37, 30771),

Gene: Ignacio_43 Start: 30605, Stop: 30769, Start Num: 34

Candidate Starts for Ignacio_43:

(7, 29594), (18, 30029), (19, 30032), (21, 30098), (24, 30167), (31, 30491), (Start: 34 @30605 has 8 MA's), (36, 30671), (37, 30674),

Gene: Picard_44 Start: 30655, Stop: 30828, Start Num: 33

Candidate Starts for Picard_44:

(20, 30175), (22, 30193), (25, 30313), (26, 30322), (28, 30454), (30, 30466), (Start: 33 @30655 has 6 MA's), (35, 30682), (41, 30802),

Gene: Piccadilly_43 Start: 29923, Stop: 30087, Start Num: 34

Candidate Starts for Piccadilly_43:

(7, 28912), (18, 29347), (19, 29350), (21, 29416), (24, 29485), (31, 29809), (Start: 34 @29923 has 8 MA's), (36, 29989), (37, 29992),

Gene: Raleigh_42 Start: 33159, Stop: 33329, Start Num: 33

Candidate Starts for Raleigh_42:

(22, 32784), (27, 32922), (32, 33117), (Start: 33 @33159 has 6 MA's), (Start: 34 @33162 has 8 MA's), (38, 33240), (40, 33273),

Gene: SV1_41 Start: 29360, Stop: 29527, Start Num: 33

Candidate Starts for SV1_41:

(20, 28880), (22, 28898), (25, 29018), (28, 29159), (29, 29168), (Start: 33 @29360 has 6 MA's), (39, 29462),

Gene: SoJo_42 Start: 31195, Stop: 31335, Start Num: 33

Candidate Starts for SoJo_42:

(8, 30244), (10, 30274), (12, 30289), (14, 30307), (15, 30430), (20, 30715), (22, 30733), (25, 30853), (26, 30862), (28, 30994), (29, 31003), (Start: 33 @31195 has 6 MA's),

Gene: ToastyFinz_41 Start: 31997, Stop: 32158, Start Num: 33

Candidate Starts for ToastyFinz_41:

(10, 31067), (15, 31223), (20, 31517), (22, 31535), (25, 31655), (26, 31664), (28, 31796), (29, 31805), (Start: 33 @31997 has 6 MA's),

Gene: Vondra_42 Start: 29775, Stop: 29939, Start Num: 34

Candidate Starts for Vondra_42:

(1, 28443), (5, 28674), (18, 29199), (19, 29202), (21, 29268), (24, 29337), (31, 29661), (Start: 34 @29775 has 8 MA's), (36, 29841), (37, 29844),