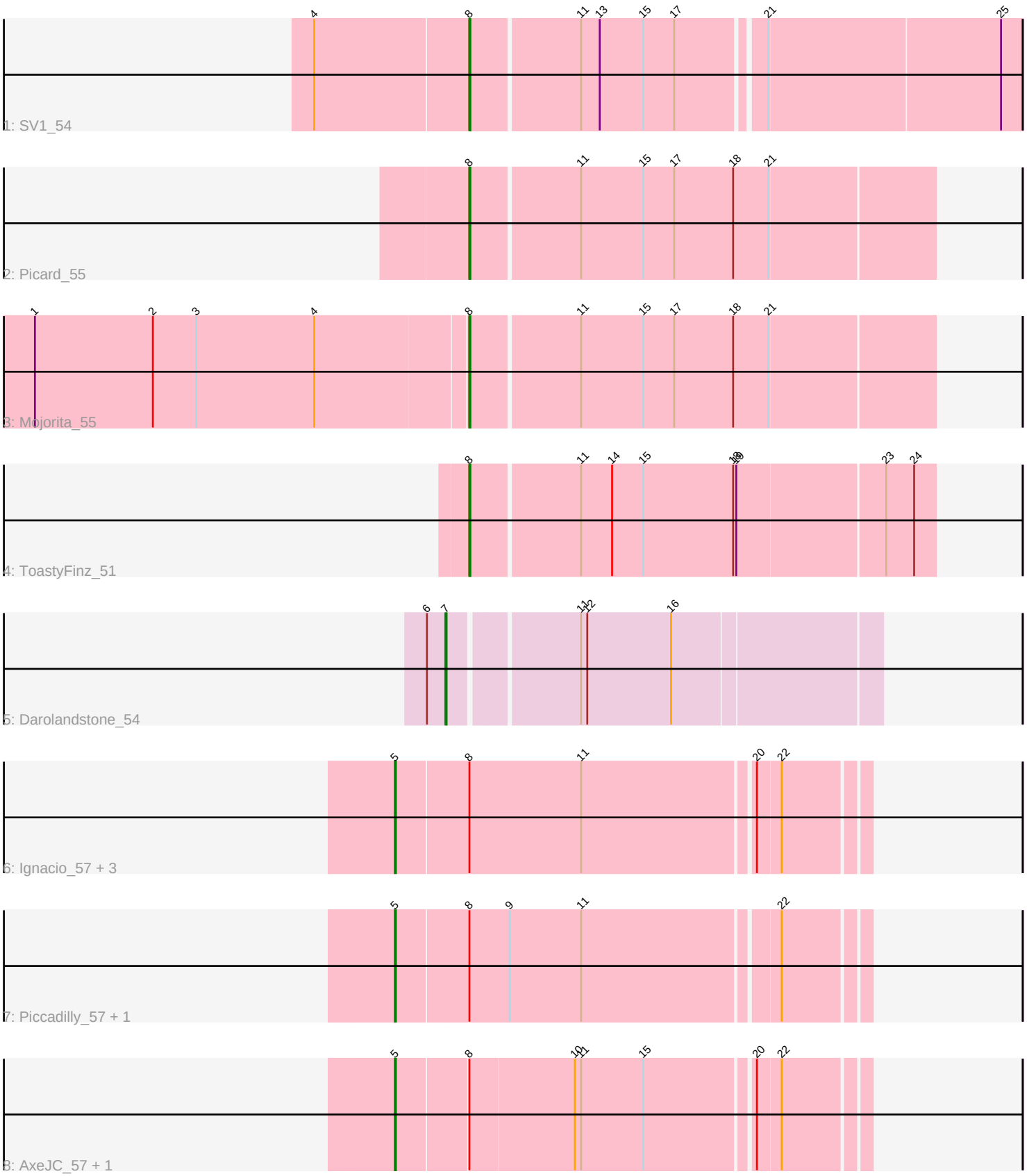
Pham 158294


4
8
11
13
15
17
21
25
1: SV1_54
8
11
15
17
18
21
2: Picard_55
1
2
3
4
8
11
15
17
18
21
3: Mojorita_55
8
11
14
15
18
23
24
4: ToastyFinz_51
6
7
11
12
16
5: Darolandstone_54
5
8
11
20
22
6: Ignacio_57 + 3
5
8
9
11
22
7: Piccadilly_57 + 1
5
8
10
11
15
20
22
8: AxeJC_57 + 1

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 158294 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158294 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SV1_54
• Track 2 : Picard_55
• Track 3 : Mojorita_55
• Track 4 : ToastyFinz_51
• Track 5 : Darolandstone_54
• Track 6 : Ignacio_57, Cumberbatch_58, Vondra_56, HFrancette_58
• Track 7 : Piccadilly_57, Eastland_57
• Track 8 : AxeJC_57, Eklok_57

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_57, Cumberbatch_58, Eastland_57, Eklok_57, HFrancette_58, Ignacio_57, Piccadilly_57, Vondra_56,

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

Genes that do not have the "Most Annotated" start:
• Darolandstone_54, Mojorita_55, Picard_55, SV1_54, ToastyFinz_51,

Summary by start number:

Start 5:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 8 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_57 (BP), Cumberbatch_58 (BP), Eastland_57 (BP), Eklok_57 (BP), HFrancette_58 (BP), Ignacio_57 (BP), Piccadilly_57 (BP), Vondra_56 (BP),

Start 7:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Darolandstone_54 (BC2),

Start 8:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Mojorita_55 (BC1), Picard_55 (BC1), SV1_54 (BC1), ToastyFinz_51 (BC1),

Summary by clusters:

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

Info for manual annotations of cluster BC1:
•Start number 8 was manually annotated 4 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 7 was manually annotated 1 time for cluster BC2.

Info for manual annotations of cluster BP:
•Start number 5 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_57 Start: 36632, Stop: 37060, Start Num: 5
Candidate Starts for AxeJC_57:
(Start: 5 @36632 has 8 MA's), (Start: 8 @36698 has 4 MA's), (10, 36797), (11, 36803), (15, 36863), (20, 36962), (22, 36983),

Gene: Cumberbatch_58 Start: 36449, Stop: 36880, Start Num: 5
Candidate Starts for Cumberbatch_58:
(Start: 5 @36449 has 8 MA's), (Start: 8 @36515 has 4 MA's), (11, 36623), (20, 36782), (22, 36803),

Gene: Darolandstone_54 Start: 39645, Stop: 40043, Start Num: 7
Candidate Starts for Darolandstone_54:
(6, 39627), (Start: 7 @39645 has 1 MA's), (11, 39762), (12, 39768), (16, 39849),

Gene: Eastland_57 Start: 36409, Stop: 36840, Start Num: 5
Candidate Starts for Eastland_57:
(Start: 5 @36409 has 8 MA's), (Start: 8 @36475 has 4 MA's), (9, 36514), (11, 36583), (22, 36763),

Gene: Eklok_57 Start: 36276, Stop: 36704, Start Num: 5
Candidate Starts for Eklok_57:
(Start: 5 @36276 has 8 MA's), (Start: 8 @36342 has 4 MA's), (10, 36441), (11, 36447), (15, 36507), (20, 36606), (22, 36627),

Gene: HFrancette_58 Start: 37097, Stop: 37528, Start Num: 5

Candidate Starts for HFrancette_58:
(Start: 5 @37097 has 8 MA's), (Start: 8 @37163 has 4 MA's), (11, 37271), (20, 37430), (22, 37451),

Gene: Ignacio_57 Start: 37000, Stop: 37431, Start Num: 5
Candidate Starts for Ignacio_57:
(Start: 5 @37000 has 8 MA's), (Start: 8 @37066 has 4 MA's), (11, 37174), (20, 37333), (22, 37354),

Gene: Mojorita_55 Start: 37280, Stop: 37717, Start Num: 8
Candidate Starts for Mojorita_55:
(1, 36869), (2, 36983), (3, 37025), (4, 37139), (Start: 8 @37280 has 4 MA's), (11, 37382), (15, 37442), (17, 37472), (18, 37529), (21, 37562),

Gene: Picard_55 Start: 38307, Stop: 38744, Start Num: 8
Candidate Starts for Picard_55:
(Start: 8 @38307 has 4 MA's), (11, 38409), (15, 38469), (17, 38499), (18, 38556), (21, 38589),

Gene: Piccadilly_57 Start: 36408, Stop: 36839, Start Num: 5
Candidate Starts for Piccadilly_57:
(Start: 5 @36408 has 8 MA's), (Start: 8 @36474 has 4 MA's), (9, 36513), (11, 36582), (22, 36762),

Gene: SV1_54 Start: 36332, Stop: 36841, Start Num: 8
Candidate Starts for SV1_54:
(4, 36185), (Start: 8 @36332 has 4 MA's), (11, 36434), (13, 36452), (15, 36494), (17, 36524), (21, 36602), (25, 36821),

Gene: ToastyFinz_51 Start: 38468, Stop: 38905, Start Num: 8
Candidate Starts for ToastyFinz_51:
(Start: 8 @38468 has 4 MA's), (11, 38570), (14, 38600), (15, 38630), (18, 38717), (19, 38720), (23, 38858), (24, 38885),

Gene: Vondra_56 Start: 35994, Stop: 36425, Start Num: 5
Candidate Starts for Vondra_56:
(Start: 5 @35994 has 8 MA's), (Start: 8 @36060 has 4 MA's), (11, 36168), (20, 36327), (22, 36348),